

Paryi Full Power Flight Teaching Original Stone

# How to draw の Hair

Paryi #

HOW TO DRAW HAIR

style hair style  
Sticking to drawing



## About benefits

The illustration files, brush files, etc. that are included in the purchase benefits of this book are distributed on the support page of this book. See p.141 for details. The making-of video is introduced on p.149.



This document support page

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## Introduction

Thank you very much for picking up this book, "How to draw "hair" taught by Paryi."

I often draw the hair by hand, so

However, I would like to take a closer look at how various people draw.

と It's amazing how different people interpret and draw hair.

I also find it interesting. Hair

is a versatile motif that can be used for movement,

silhouette, composition, etc., and it is strongly related

to the impression of the character design. One of the

appeals of this series is the variety of ways in which it

can be combined with various hairstyles, designs, and

character personalities.

Hair is the part of the human body that has the second

largest amount of information after the face and is easy to

draw. Hair is a very difficult part of the illustration,

how to omit it and how to make it look cute without being

caught.

Also, there are some differences in thinking about the hairstyles

of girls who are said to be fashionable in the real world and the

hairstyles of attractive characters. In character illustrations,

there are various ways of expression depending on how much

deformation is required, how realistic they are, and how they are

touched (anime, shoujo manga style, etc.). There are as many

ways of thinking and habits as there are artists, and I think that

is a wonderful thing.

This book focuses on the basics so that even beginners

can draw cute hair. This is a book for learning

the knowledge necessary for drawing hair, such as "why

is that hair there?" I am writing this with the hope

that you will understand my way of thinking even

if only a little. Once you become accustomed to

drawing hair, you may find that combining the techniques

introduced here will produce a synergistic

effect, so try combining them as many as you can.

Also, in order to draw soft and natural lines that are unique

to hair, I will show you how to draw by ignoring half

of the rough. This is an important technique that gives

rise to new ideas while drawing, such as, "Wouldn't it be

cute if I added accents to this part?"

One of the strengths of hair is that even if you

don't have a cute face, if you have hair you can deceive

yourself as cute. I value the fact that even just the

face is cute, and in this book I also explain how to

draw faces in my own way. In addition, it introduces

how to draw the body using stick figures skillfully,

and if you add attractive hair to it, you will be

invincible.

I myself have been indebted to various technical manuals, and

publishing a technical manual was one of my dreams.

I hope that the appeal of my hair can be conveyed even

just a little.

I would be very happy if everyone who reads this

book acquires knowledge about hair and changes

the world they see.

Paryi



# How to use this manual

## Structure of this document

.....

This book explains how to draw "hair" by illustrator Paryi. This is a book full of ways to draw attractive hair that has been carefully researched as a hair artist.

### Chapter 1 How to draw basics

I will explain the general drawing method related to hair. There are plenty of points such as how to capture hair and points to draw attractively.

In addition, I will also introduce how to draw the author's face.

### Chapter2 Hairstyle Arrangement

I will explain how to arrange hairstyles such as twintails and ponytails. In addition, we also cover elements that are different from humans, such as animal ears and horns, and points on how to draw when using items such as hairpins and mufflers.

### Chapter 3 Production that makes use of hair

It summarizes how to move hair, how to use hair to create sex appeal, and how to use hair with expanded ideas.

### Chapter 4 Attractive composition with hair

I will explain the technique of using hair to guide the line of sight and the composition that mainly uses hair while looking at actual examples.

### Chapter5 How to paint hair

I will explain various patterns of how to paint hair. I use "CLIP STUDIO PAINT PRO/EX" as the paint software for coloring.

Operation has been confirmed on the Windows version.

## About benefits

.....

This book has three perks. Custom brushes and CLIP data can be used with CLIP STUDIO PAINT PRO/EX. The making-of video can be viewed immediately by accessing the video playback page. Please see p.141 for how to download custom brushes and CLIP data, and p.149 for how to watch the making video.



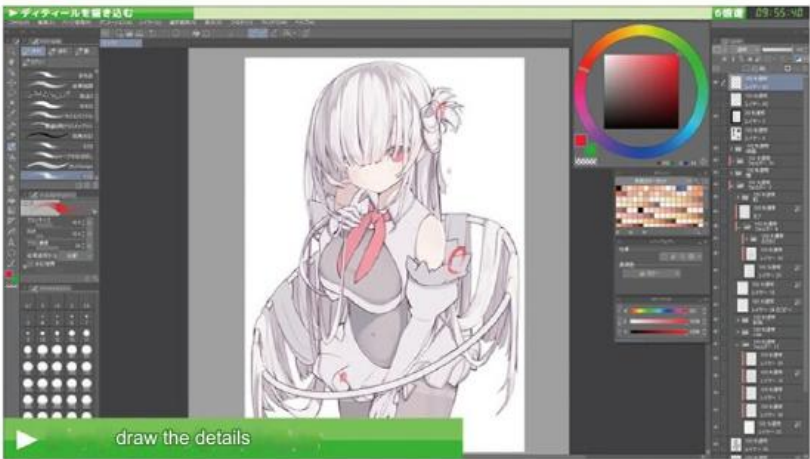
custom brushes



CLIP data of the cover illustration

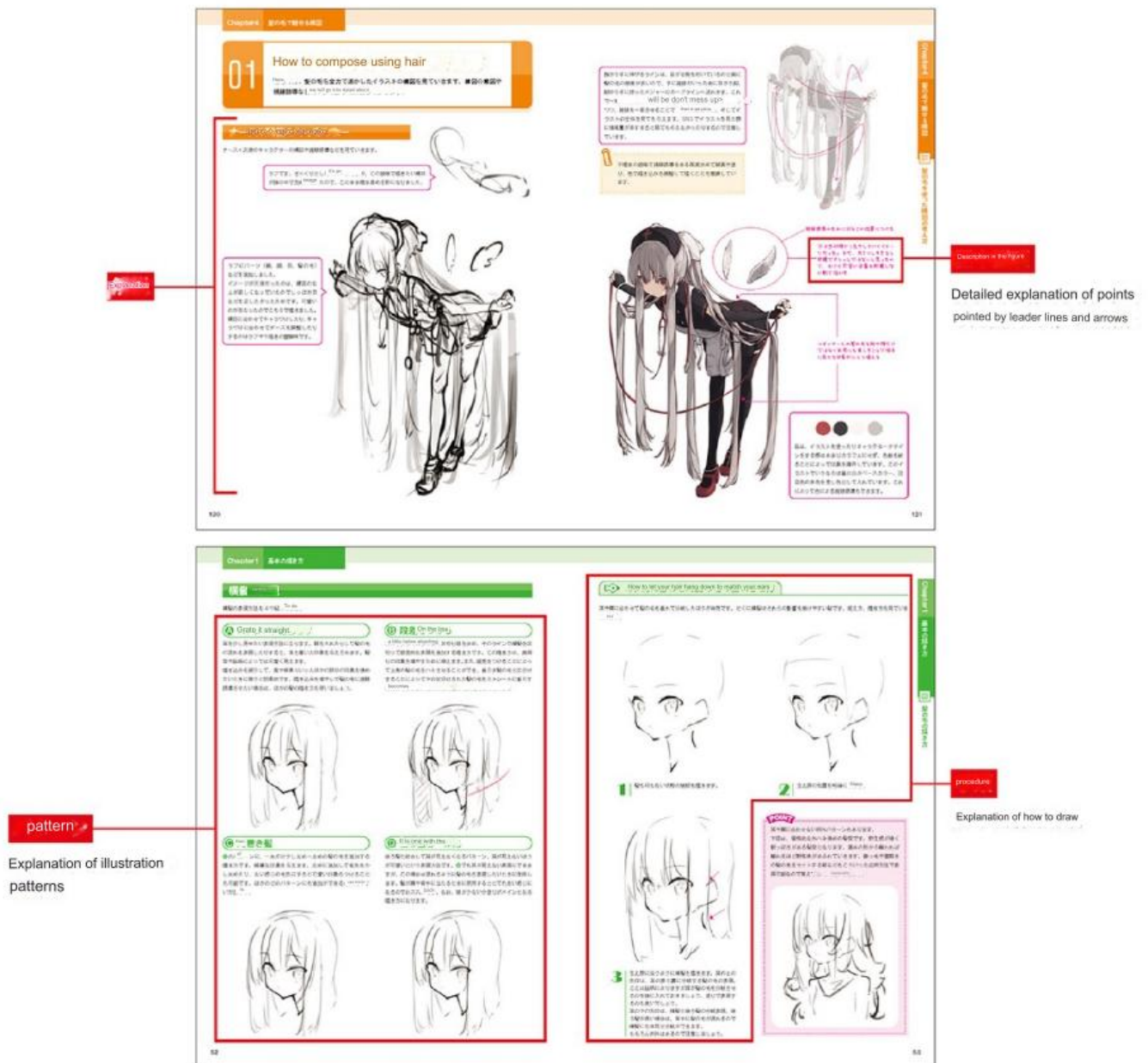


Making video





## Page structure



## How to read the mark

**POINT**

point mark

In addition to the explanations in the main text, it also introduces technical points to keep in mind.

**clip mark**

It summarizes the author's personal opinions and supplementary comments.

Masu.

**COLUMN**

column mark

Explains small tips on how to draw hair and techniques that can be improved if you remember them

**GOOD** **Not good**

GOOD mark: Example of improving a good example or a not so good example

Not good mark: Example of not wrong but could be better

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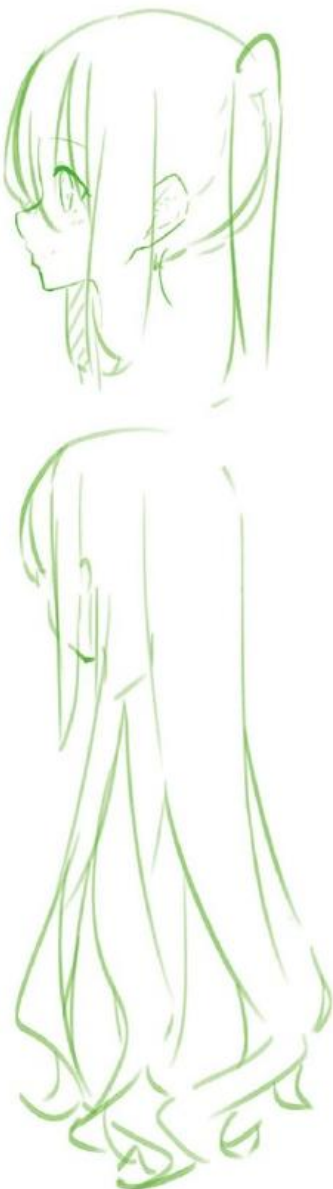


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# Chapter 1

## basic drawing

Here, I will explain the general drawing method related to hair. We will check how to perceive hair and take a detailed look at the points to draw attractively. In addition, I will also introduce how to draw a face in the author's style.

## 01

## Basics of how to capture hair

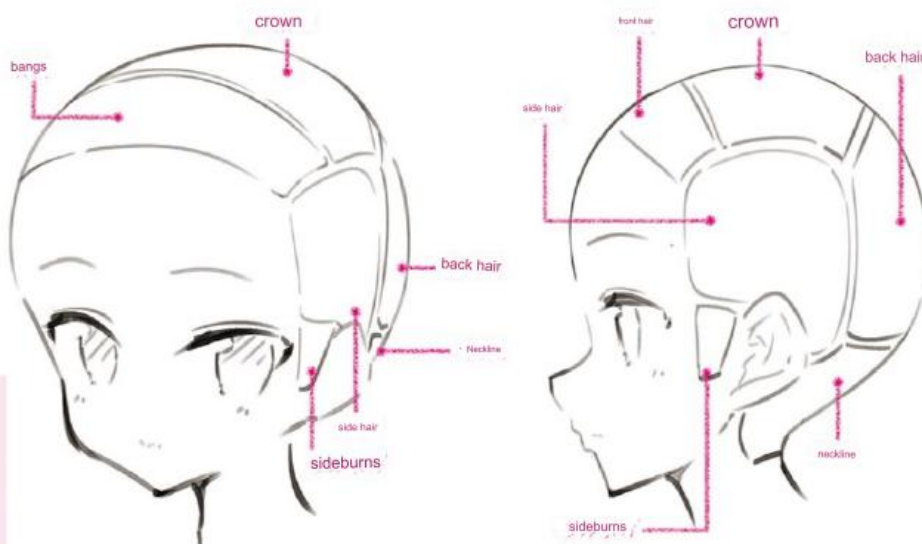
Hair grows from the head, but if you draw it only vaguely, it will give an unnatural impression. By knowing exactly where and how it grows, you will be able to draw attractive hair.

## where hair grows

I will introduce two patterns of how to capture the place where the hair is growing.

## divide the head into sections

By dividing the head into several sections, it becomes easier to recognize that "the hair here grows from this part". It's a good idea to think about how long you want your sideburns to be.

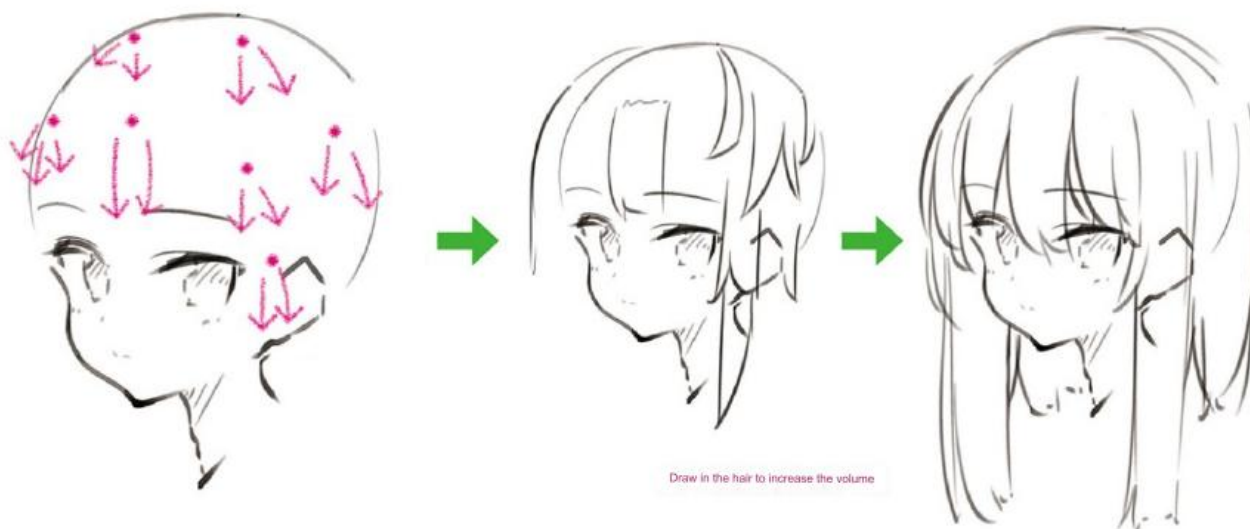


## POINT

Front hair, side hair (side hair, sideburns), back hair (parietal area, back hair, neckline)  
Recognition with 3 parts is fine.

## Recognize that hair grows from anywhere

This is for those who can't understand the chart above. It is very important to realize that hair can grow anywhere. hair grows everywhere. And sometimes there are thin hairs on the back side or on top of thick strands. When drawing, be careful not to overdo it and make it look unnatural.



Draw in the hair to increase the volume



## hair flow

Hair flows downwards from the root. Basically, drawing along the roundness of the head will give a natural expression, but even with the same hairstyle, the angle of the face will change. Therefore, the point of attention is different.

### Oblique face (nearly frontal face)

If you are facing the front, draw from the roots of the hair down along the rounded line of the head. It is easier to understand if you draw with the second arrow from the right as the reference.



### slanted face

This is a composition that is closer to the diagonal from the front. Even if you are conscious of the roundness of the head, it is difficult to visualize it.



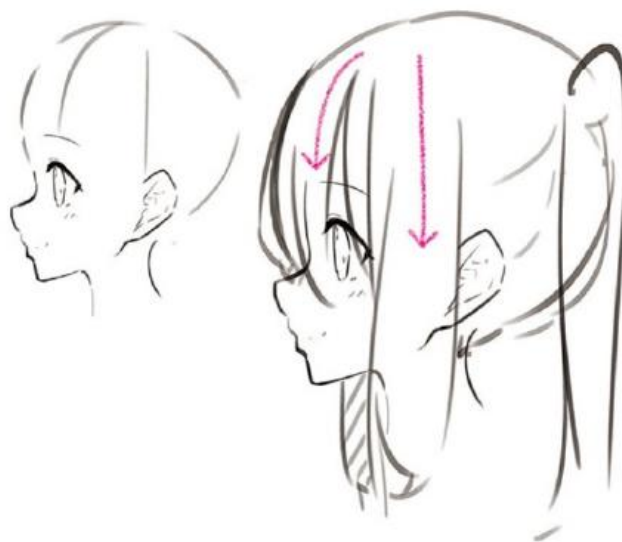
### Oblique face (strong depth)

It is a more oblique composition. Let's also draw this after putting a reference line like the left figure on the head. It is important to draw while keeping the line of the arrow to emphasize the three-dimensional effect. Be aware that a slight change in angle can change the expression.



### sideways face

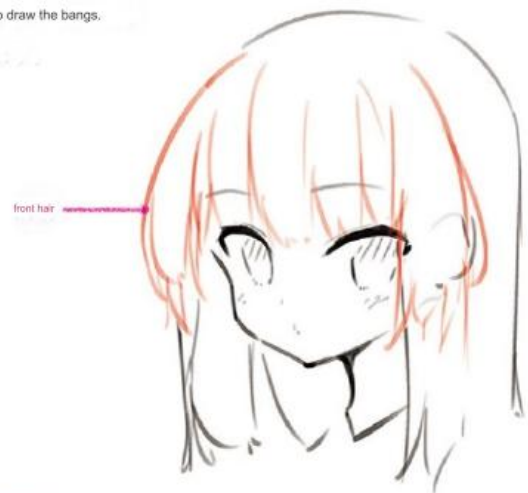
It is a composition of the profile. This is a very difficult angle, but the degree of difficulty can be reduced by paying attention to the roots of the hair and determining the reference line. Especially for a sideways face, the expression method and reference line will change depending on how the hair grows, so adjust while facing your own pattern. It is also important to draw a diagonal face while checking the front and side faces.



## bangs

It is the bangs that flow in front of the face. Even with the same face, the impression of the character can be created by how to draw the bangs.

It changes a lot. Here are some bangs arrangement patterns.



## split in the middle

It is a hairstyle that divides the bangs into left and right in the middle. You can see your forehead and you look healthy. When parting, position it in the middle, and set the left and right hair volume to 5:5.



In this example, the side hair overlaps the bangs

## Patzun

It is a hairstyle in which the bangs are arranged side by side. Gives a quiet impression vinegar. You can freely divide your hair, and the left and right hair volume can be set to 7:3.

It will be cute even if it is 6:4.



In this example, the bangs hang over the side hair to create depth and a step.

## Diagonal Patzun

It is a hairstyle with a slanted patzun line. By changing the angle, you can expand the range of character designs.



In this example, the side hair overlaps the bangs

## Middle split + patzun

A pattern in which the hair is parted in the middle. The hairstyle is open in the middle of the patzun.





## one blindfold

Blindfolded hairstyles are often used when you want to create a mysterious atmosphere. Also, the hairstyle that hides the eyes is attractive with the gap when the hidden eyes are visible. However, since they can basically see only one eye, the facial impression (amount of information) is reduced.



In this example, the left and right are divided with a 2:8 balance.



It is a hairstyle with a lowered patsun line. It gives the impression of being a quiet character, and there is a gap when the eyes are visible.



## M-shaped division

It is a hairstyle where you can see the M line in the bangs.



## Beautiful M-shaped division

It is a hairstyle adjusted so that the M-shaped hair does not cover the eyes.



## Patsun + M-shaped division

It is a hairstyle in which the bangs make an M line and the bangs in the center are flat.



## drooping bangs

It is a hairstyle that lets the bangs hang down. It makes you look mature.

The point is that the eyes are slightly hidden.



In this example, the left and right are divided with a 7:3 balance.



## Ear hook

Wearing your hair over your ears gives you a mature look.



## short

Bangs that match the short hair on the back. By making the left and right slightly shorter and rounder, it will come together.



## Bangs (tied)

It is a hairstyle with bangs tied up. It makes your forehead look bigger.



## bangs parting

It is a hairstyle that is divided in the middle while raising the bangs. You can see the base of the hair, giving it a three-dimensional effect.





## bangs short in the center

The bangs will be a mountain line. It's a hairstyle that makes you look younger.



## long bangs

A before → after example of a girl whose bangs have grown out without taking good care of her hair. It is an expression that increases the charm at once with the gap.



## inner roll

It is a hairstyle with curly hair that curls inward. The impression changes greatly depending on the condition of the inner winding.



If you roll the side hair inward, it will be natural

## POINT

Even if the parting position of the bangs is the same, the impression will change greatly depending on whether or not it hangs on the side hair. The example below shows the difference when divided with a left/right 2:8 balance.

Bangs do not  
hang over side hair



bangs are hanging  
on side hair



## side hair

Side hair is around the ears and flows down the sides of the face. As explained in the bangs

The impression changes just by choosing whether the side hair is visible above or below the bangs, and the length difference

It is a part that can greatly enhance the character's individuality by making it move. Also, side hair

No matter how much you arrange it, there is an advantage that it is easy to match regardless of the length of the bangs and back hair.

vinegar. Here are some side hair arrangement patterns.



## semi-long

Side hair that extends from shoulder to chest. Use when you want to increase the

expression of side hair.



## short

Short side hair. It can be used when you want to give a cool impression.



## One side semi-long

Side hair with different lengths on the left and right. The asymmetry makes the character's individuality stronger.



## Between short and semi-long

Side hair that is neither long nor short. It can be cute or cool, and depending on how the lines are expressed, it can give either impression.





**Thin semi-long**

An example of thinning side hair. It is recommended to dare to thin the thick part.

**tie back hair**

It is a side hair that can be connected to the arrangement of the back hair. This is an example of a stop that erased the notion that hair here should not be like this. It's also interesting to use it as an element that hooks a character with horns.



This example is connected to the back twin tail.

**super long**

very long side hair. It is often seen in cute characters. It can be used in a wide range of applications because it can be made to look more mature by rolling it inwards.

**Drill**

It is a side hair that is rolled round and round like a drill. It is often seen in young lady characters.

**Loose and fluffy**

Side hair that is curled inward with a curling iron. When doing this hairstyle, it will be very cute if the back hair is also curled inward.



## back hair

Back hair, as the name suggests, is the hair that covers the back of the face. not very visible from the front

Although it is a part, it is important to put together the impression of bangs and side hair without discomfort. Also, the volume

Since it is a part with a lot of musculature, it is recommended to move and arrange it like a twin tail.

You can increase the character's personality with . Here are some arrangement patterns for back hair to introduce.



twin tail

The classic twintail style is a hairstyle that has two tails by tying the back hair at the top of the head. It is often seen in energetic or tsundere characters.



Twin tail (middle)

A hairstyle that slightly lowers the position where the twin tails are tied. By lowering the height, the energetic feeling is slightly reduced, and a calm impression is added.



pigtails twintails

A hairstyle where the twin tails are tied below the head. quiet impression give



thin twin tails

Hairstyle with thin twin tails. Gives a youthful and cute impression. Perfectly compatible with ribbons. It's cute even with pigtails.





## ponytail

The name comes from the fact that the hair tied back looks like the tail of a bonnie (pony). You can control the impression by adjusting the tying position and length.

When making pigtales, make them thinner to make them cute.



## super long

Hairstyles that are rarely seen in the real world. You can apply it by tying your hair, and if you attach twin tails to this, you can also make side twin tails. It's cute even with a ponytail.



## twin tails (bundled)

It is a hairstyle that bundles after making twin tails. The droopy hair will be cute if you adjust the length. We also recommend bundling a ponytail.

Bound only on the right side as viewed from the screen



## semi-long

Back hair that extends from shoulder to chest. It will be a hairstyle that can be both cool and cute. Depending on how you draw it, you can create various impressions, but since the hair is not as long as long hair, it is difficult to use when composing with long hair.



## short

short back hair. Use when you want to draw a boyish image. This also does not have long hair, so it is not suitable for composition that makes use of hair.



## COLUMN

## unique hairstyle idea

We have introduced typical arrangement patterns such as bangs, side hair, and back hair, but there are an infinite number of other hairstyles. Here, we will introduce combinations of the patterns introduced so far and more imaginative hairstyles. Breaking down stereotypes and coming up with new hairstyles is fun.

## Parting in the middle + adding a little bangs

I rearranged the "dividing in the middle" introduced on p.12. The volume of the hair is divided from left to 4:2:4.



## one blindfold patsun

It creates a strange atmosphere. The back hair can be long or short. The side hair is grown on one side and left and right are asymmetric.



## Twintails + long back hair + ahoge

Half twin tail. By lowering the position of the twintails or by bending (curling) the tips of the hair, the atmosphere will change. thin side hair. It becomes cute by combing and sticking out the ears.



## back hair bun + barrette

A hairstyle in which the hair is tied back and fastened with a barrette. It can also be used as one of the hairstyles for characters with long hair to take a bath.



### Patsun + M-shaped division (separate

pattern) This is a mature hairstyle. Back the hair on the right side I turn it around and make the side hair thin semi-long. side hair is not thin However, I think that even if the length is up to the chin, the adulthood will remain.



### Middle division + inner roll

This is a hairstyle that is ironed all over and rolled inward. The length is semi-long. It is a hairstyle that can express a wide range of expressions from junior high and high school students to adult women. If you add a lot of quirks to your hair, it will make you look younger, so it can be applied to give a natural and energetic impression.



### dumpling

It is a hairstyle that gathers like a bun in the upper part of the back hair. It can be used for thin hair sticking out of the bun, or for braids wrapped around it. It's cool and cute, and gives you the impression of a princess.



### M-shaped division + side hair M-shaped

It is a hairstyle that divides the upper part of the head into an M shape. I don't see it much these days, but I think it's a constant cuteness. It gives a sharp impression.



### animal ears hair

It is a hairstyle that raises the back hair and gathers it like an animal's ears. It looks like a small drill. You can also put out thin hair from here to create a half-twin tail style.



### dumpling twin

This hairstyle goes well with Chinese style costumes. It is a hairstyle that is easy to arrange, such as pulling out the hair into twin tails, covering it with a cloth and tying it (chignon), or piercing it with a skewer or hairpin.





## 02

## hair length

Here, we will show you the difference in hair length with standard hairstyles and expressions unique to illustrations.

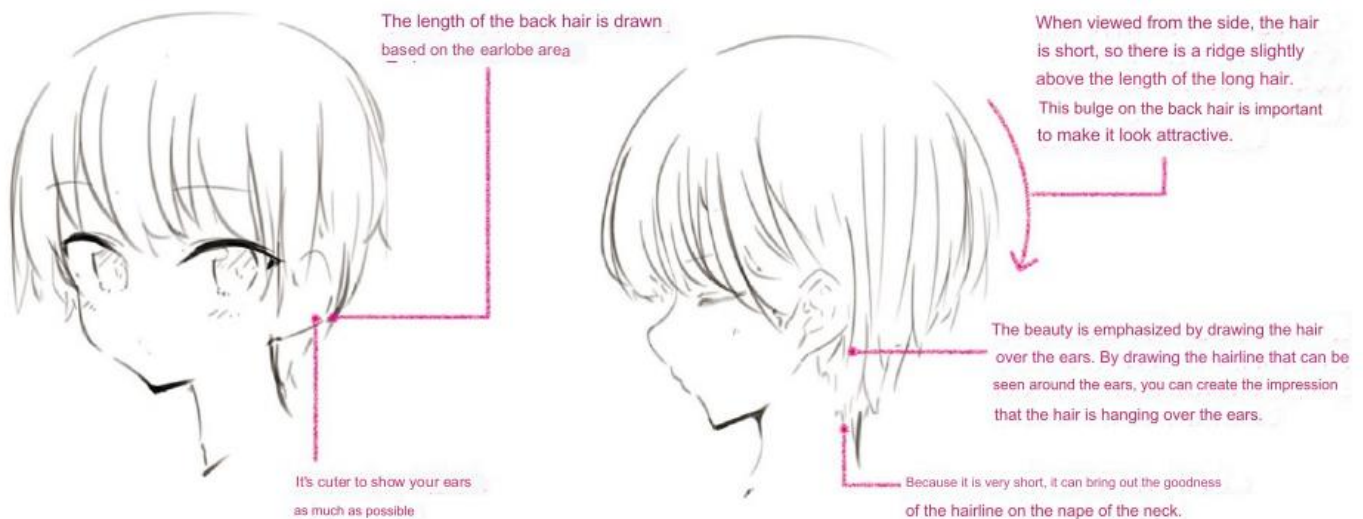
I will introduce you.

## type of length

We will introduce the length of hair for each hairstyle that is commonly seen.

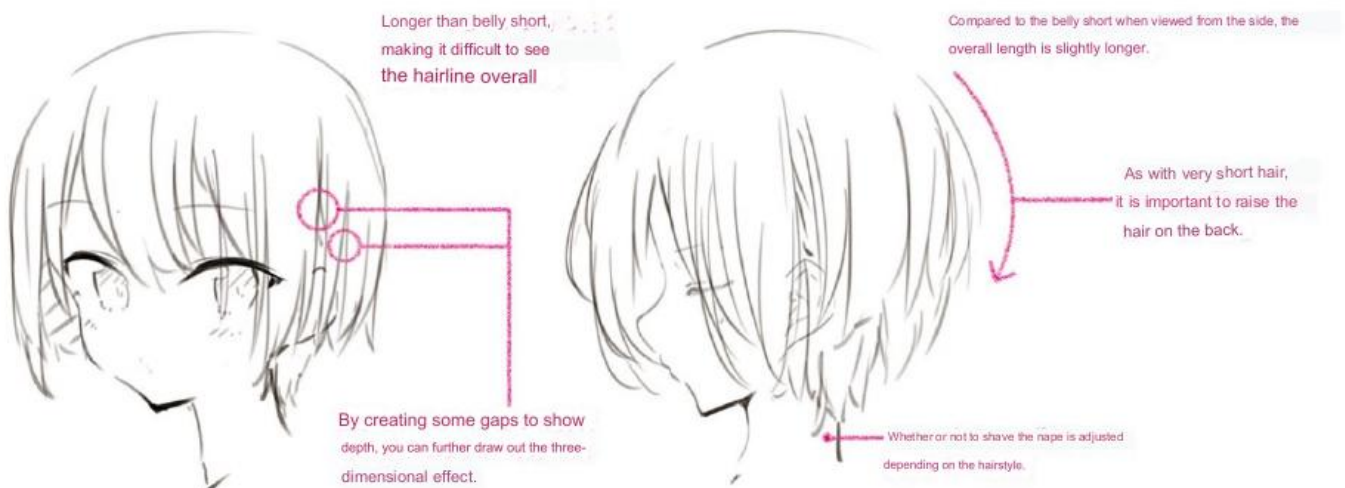
## | Very short

This length is often used for mature characters and energetic characters. If you increase the outside splash, you will be given a lively impression. Very short hair can show your face well, so you can't use your hair to hide your face. It can be said that there is an advantage that the face is easy to see and it is easy to convey the expression.



## short

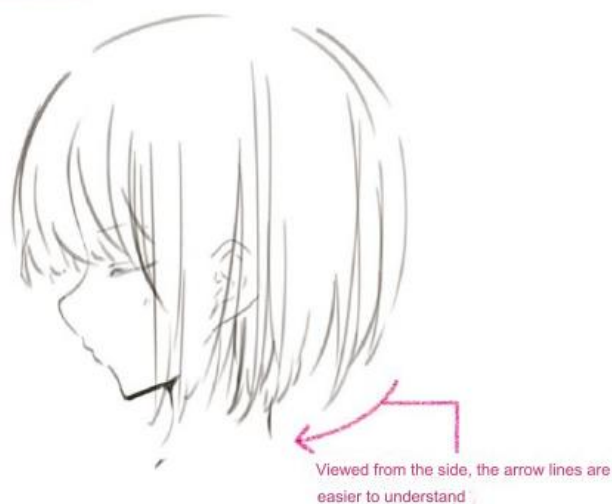
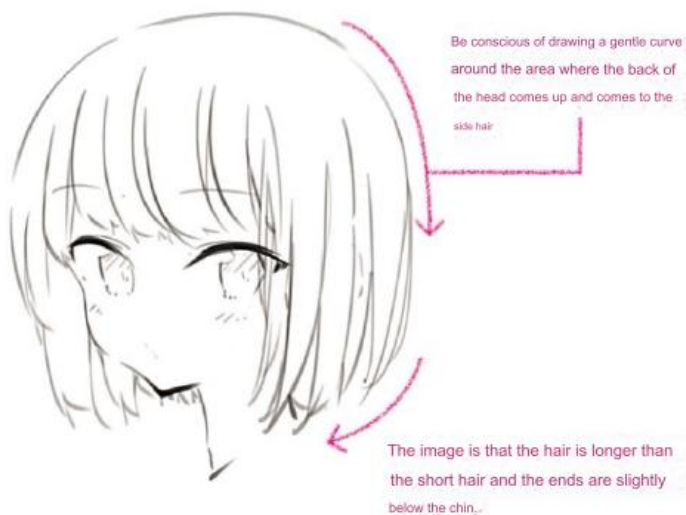
You can see that it is a little longer than the belly short. The length is slightly below the ear lobe. It has a more calm impression than very short hair, and it gives the impression that it is a hairstyle that suits mature characters.



## short bob

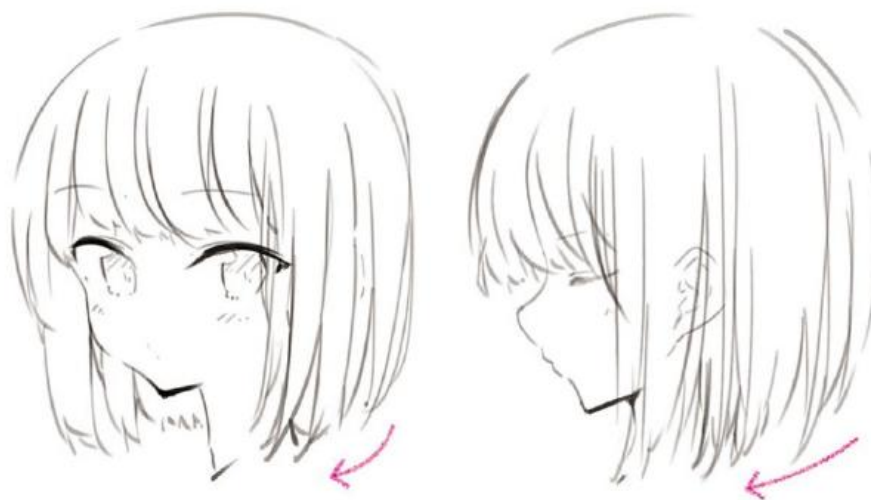
A bob cut is one in which the hair line is straightened and the curly hair is curled. Be careful not to curl your hair inwards or it will look like a patch. The hairstyle gives a strong impression of cuteness, so it makes you look younger.

When viewed from the side, the line of the hair is uniform, so the line is omitted as much as possible. Add a long, thin line to add an accent (individuality)



## Bob

It's a little longer than the short bob, but like the short bob, it's an inward curly style. Longer than the short bob adds a calm impression, making it suitable for gentle characters.



The figure on the right is an example of matching a cute face with droopy eyes. Increases the impression of gracefulness and quietness

If you draw a gentle curve like an arrow and make it soft, the line will be more cute and the curly hair will be emphasized, so it is

recommended



## Rob

A lob is a bob style with long hair from shoulder to collarbone. The length makes it easy to dress up and allows you to arrange your hair (half twin tail, ponytail, etc.). Below is a fashionable hairstyle similar to a wave lob, suitable for a wide range of age groups. Depending on how you draw it, it can be cute, but basically it's long hair with a strong sense of fashion. It also has the advantage of hiding a lot of the contours of the face.



## Medium

It is hair that is a little longer than a lob and is about the length of the collarbone. Raising your bangs will emphasize your adulthood. Even curling your hair with an iron will make you look older. The image below is an example of an image that gives the impression of a university student or older, but is difficult for elementary school students to see.



In this book, we use the word medium as hair that is slightly longer than a lob.

## straight lob

The straight lob in the picture below does not show the ears, but it is also recommended to make the side hair thin and show the ears, as it is cute. Unlike wave lobs, there is no wavy arrangement, so be careful when drawing.



When you are facing forward, you can create a beautiful swollen line slightly above your shoulders.

## Medium (outer splash)

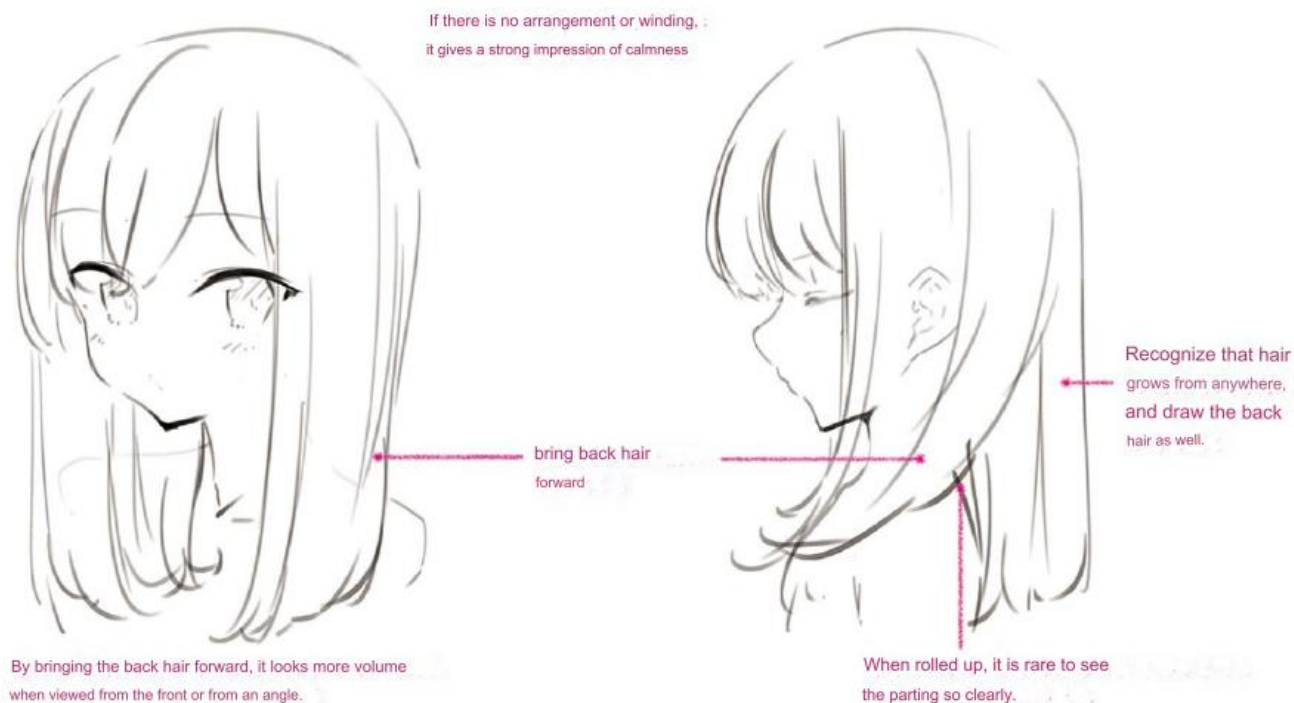
The figure below is a medium with the hair curled so that it becomes an outer wing. As for my own impression, it looks like a high school student – college student. Rather than a calm feeling, I have an image of a cheerful child. Please refer to this as an example of how you can change the impression of your age by arranging your hair.





### semi-long

Hair length from collarbone to chest. The hair at the back is slightly brought forward to hide the ears. Since the ears are hidden and the amount of hair increases, the face looks relatively small. The figure below shows a straight hairstyle with no curls and arrangements, but it can be a fun hairstyle that changes the impression a lot depending on how you arrange it and curl it.



### Semi-long with long bangs

The picture below is a semi-long hair with long bangs and a lot of curls, giving a mysterious impression and giving an older feeling. The bangs mix with the side hair and flow down, making the ends of the bangs invisible.



### Semi-long (special arrangement)

The figure below shows a semi-long hair style that dares to show the ears by tying the hair on the side. The curls are arranged more than the example of "long semi-long bangs", so it gives a calm impression. I like semi-long hair because it's interesting that even with the same length of hair, the impression changes considerably.

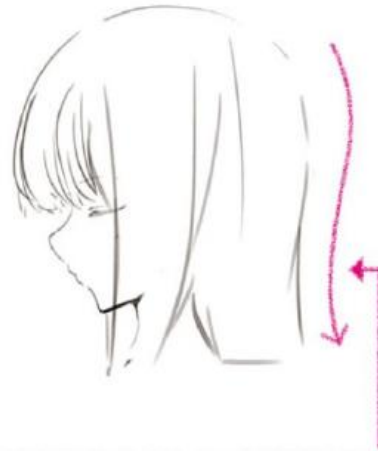


## long

A hairstyle with hair below the chest is called long. Since the hair is long, it is easy to tie, and it is a hairstyle that looks cute even when it is rolled up. Also, since there are more places to hide with hair, it is easier to draw, and it is also a hairstyle that makes it easier to fill in the space depending on how you draw the silhouette and composition. Below is a straight long.



The illustration is based on the image of a girl with a large face and a small body, so when viewed from an angle, the hair is behind the chest.



The same goes for semi-long hair, but you can make a stronger impression by recessing it in a curved shape. The back of the head becomes the apex, and the deformed state of trying to return to the inside once.

## long (roll)

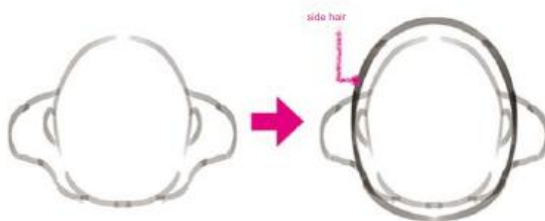
As shown in the figure below, the long hair with a roll is more fluffy than the straight hair. Because it is worn, it suits characters with a mysterious impression and natural characters. When the hair is curled, the back hair moves forward, hiding the neck. When the hair is curled, the ends of the hair come apart, making it more difficult to draw than when the hair is straight, but there are more places to hide, and it is cute that the shoulders can be seen through the gaps because of the curls.



In this composition, the line of sight tends to go from the face to the chest due to the flow of the hair.

## POINT

The figure below is a simplified view of the character from above. If you have a large head and you add more hair, you will see the side hair hanging down the side of your chest.





## super long

I have very long long hair. It usually takes 3-5 years or more to grow normally. Long hair is long, so each hair is heavy. Therefore, curly hair is less likely to be pulled downward. You can also create a gap by making a girl who had strong curly hair when she was young have super long and curly hair when she grows up. Basically, it will be a hairstyle that shows femininity rather than masculinity.

super long hair straight

Super long

hair half twin tail



## POINT

Long hair is a versatile hairstyle that fills the composition by adding movement, and it is easy to make the silhouette unique by arranging it. If there is a drawback, it is that if the line art is not drawn neatly, the rough edges will stand out. On the contrary, drawing them beautifully will make them more attractive. Also, the hair on the back tends to be monotonous, so you can hide it with your body, cover it with color, or add movement to show your skills.



## shoulder hair

The hair hits the shoulders from around medium length. The hair moves when it hits the shoulders, so I will explain how to draw it in such a case. I will explain.

### medium (straight)

The figure below shows medium hair with the hair barely touching the top of the shoulder at the position of the arrow. Since it hits the shoulder, I let my hair flow forward a little.



### Medium (roll)

The figure below shows a style in which medium straight hair is permed and wrapped. The length of the hairline was straight, but it was curly due to the perm, and the hair was a little shorter. It is an expression that can be used depending on how the character is drawn and the situation.



Since the trapezius muscle is raised towards the back, the hair moves accordingly.

### long (straight)

The two figures on the right are a comparison of whether or not the back hair is flowing toward you when you have straight hair. In reality, when it comes to this hairstyle and length, the back hair is brought forward. In illustrations with strong deformation, I often bring the back hair to the back instead of bringing it to the front in order to divide the impression into the bangs, side hair, and back hair. This makes it possible to express depth even with simple painting, creating illustrations that can be understood abstractly. Also, compared to the left, the design around the chest (where the arrow is) is not hidden, making it easier to use the character design. Conversely, with simple clothes, you can manipulate the amount of information by bringing the bangs forward.

A style that brings back hair forward



A style that does not bring back hair forward



## COLUMN

### Differences in hair appearance between front and oblique faces

We will look at the difference in how the face looks from the front and diagonally, depending on the length of the hair. This is especially important when drawing 3D character designs. It's a part that can't be conveyed with just the front and side views, so let's imagine the three-dimensional shape by drawing diagonally. This way of thinking draws with a strong awareness of three-dimensional objects, so I learned a lot.

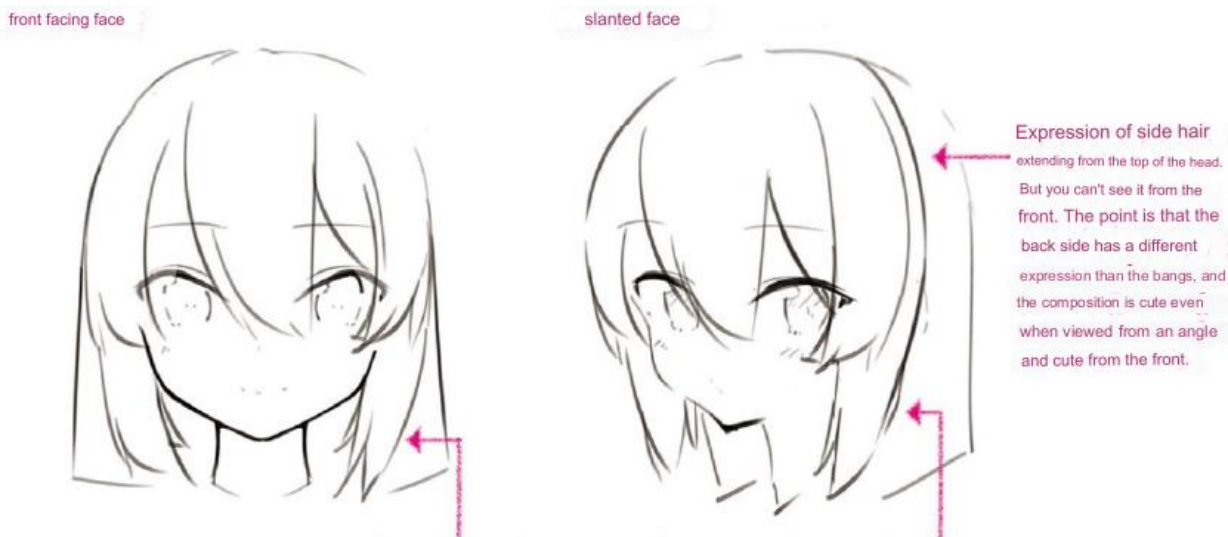
#### short

As shown by the arrows, hair that is not visible when viewed from the front becomes more pronounced when viewed diagonally. Let's be aware that these things exist. This kind of interpretation solves the problem unique to 3D, such as cuteness when viewed from the front but not when viewed diagonally. If you have an imagination or illustration of where the bulge is and how much the eye can see when the angle is 45 degrees, it will be easier to do 3D modeling and less likely to make mistakes.



#### Long (front facing face)

It is the difference between a face facing the front and a face facing diagonally with long hair. When viewed from the front, the hairstyle is normally divided into steps, but from here it is three-dimensional. I'm going to have a slanted face with consciousness.



The inward-growing hair that was visible from the front is not visible from an oblique angle. However, in order to make the frontal impression stronger, the expression is made so that it can be seen from the front, even though it cannot be seen from an oblique angle.

## 03

## how to draw hair

So far, we have seen how to capture and think about hair, and the differences depending on the length. From here, I will explain techniques for actually drawing attractive hair.

## Draw with the whorl in mind

A whorl is a swirl of hair on the top of the head. In general, it is the starting point of the hairline that determines the flow of hair, and how to draw it. It is also a part that influences the atmosphere of the illustration.

## Whorl when facing down, front view

When you look down, you can see the whorls beautifully. Be aware of the flowing line starting from the whorl. You can see the back hair.



## Front view, whorl when looking up

Turn up to hide the whorl. Assuming that there is a whorl on the top of the head, draw the bangs line accordingly.



## Whorl when facing sideways

I will draw each part by comparing it with the composition of the front. By drawing a profile, you will have a better understanding of how hair grows.



## Whorl when facing diagonally

Draw while paying attention to the hair flowing from the whorl. On the back side, it is more natural to draw the side hair so that it overlaps more than the bangs. Let's draw a slanted face based on the profile and front face.





## Whorl pattern when facing front

The expression will change depending on how much you are aware of the whorl, and whether you separate the bangs, side hair, and back hair properly as steps. Here, how many or introduce a pattern.

### A Expression with proper steps

It is an expression that the bangs, side hair, and back hair are properly tiered. the line drawing  
You can change the width of the expression by erasing it in the middle.



### B Smooth expression

Draw so that the roots of the hair gather at the whorl. You can also change the width of the expression by erasing the line drawing in the middle. It is an expression that goes well with cute hairstyles (Pattsun, etc.). It also gives off a slight impression of being quiet.



### C Expression that the bangs are above the side hair

This is an expression that many people use. Because the bangs look big, the head is big.  
The advantage is that it looks nice. However, the expression of side hair  
Since the width is reduced, the whorls will stand out in a strong frame composition.



### D Expression that does not draw a whorl

This is a drawing method that uses fewer lines and expresses the final color. It is suitable for people who can express fine details with different shades of paint.



### POINT

When drawing the hair, be aware of where it grows and how it flows, as explained on p.10-11.

## Pattern of whorl when facing diagonally

I will introduce the pattern when facing diagonally. First draw the face and then the head. So After , draw the line of the head centering on the bridge of the nose. Basically, a whorl is set on this center line. It's cute when you set it, but there are exceptions.



### A Hairstyle growing out of whorls

It is an expression that makes the hair line look beautiful. However, not all hair grows from a whorl, so if it is too uniform, it will look a little strange. It looks cute if you change the flow of the hair from around the forehead.

A to C are expressions with strong lines that make it easier to see the hair. If you feel the line art is too strong, adjust the line color. Although it takes time and effort, it can be said that it is an expression for people who want to paint carefully.



### B Expression with proper steps

This is one of the most common expressions. By drawing lines, the hair is more I look at the hair. The steps make it easy to distinguish when painting easier. This expression can be used with any hairstyle, but the line drawing gets in the way. If you feel that, change the color of the line drawing.



### C Expression that the bangs are above the side hair

This is a hairstyle that is rarely seen in real life, so depending on the angle, it feels strange. However, it is cute, so let's remember it as one of the expressions.

Combining these special methods of expression can make them even more attractive, so please try to break your stereotypes and take on the challenge.



### D Expression that does not draw a whorl

It gives a very clean impression. The final painting will bring out the range of expression. Depending on the paint, you can guide your line of sight closer to your face or closer.





## The pattern of intentionally ignoring whorls

First, go to the whorl (x)

This is a pattern in which the hair lines converge. It's easy to visualize because it's drawn towards the roots, but compared to the right side, the line of sight to the hair is lower.



It is a way of drawing that is intentionally shifted from the whorl. By dividing the part where the hair is gathered toward the whorl (x) and the part where it is not, you can give a strong impression of the hair and enhance the individuality of the area around the whorl. It is easy to create a hairstyle with a design that draws attention with just the lines, but on the other hand, it tends to be difficult to paint.



### A Expression that ignores partial whorls

The middle part of the bangs converges into a whorl, but the other hair is sparsely scattered in this pattern. The impression of the hair becomes stronger, and the individuality becomes stronger. This example is a pattern that is drawn a little excessively, but it is also cute to use in small amounts, so it is recommended.



### B Expression that grows from the hairline in the middle

It is a way of drawing that completely ignores the whorl and grows from the hairline in the middle. By putting a new bundle inside a larger bundle, you can create a special impression that you don't usually see. It is a drawing method that can be applied not only to the bangs but also to other places. However, the more you use it, the more features it will have, but it is important to understand where to use it and how to put it together in order to improve the completeness of the illustration. Let's try various things and deepen our understanding.



### C An expression that brings the hairline from a completely different part

In this method, the hairline of the upper bangs is drawn from the opposite side (here, the right side). It will be a lie expression unique to illustrations. It is a way of drawing that looks unique in the same way. When expressed with bangs, the line of sight can be guided to the part of the arrow. It creates a step, making it easier to apply. Here, the impression of bangs is strongly given to the viewer.





## How to draw hairline and roots

There are many ways to express the hairline and roots. The figure on the right shows a type with a line drawn and a type in which the line is intentionally cut in the middle and expressed with the final fill. Here is a pattern that adds expressions.

Also, the drawing method introduced here can be used to express not only the roots, but also the middle of the hair from the roots to the tips. It is used to make the hair fly and to balance the drawing.



In the reference images from here, some are included in the type with lines drawn, and some are included in the type with the line cut in the middle. Please apply it according to the pattern.



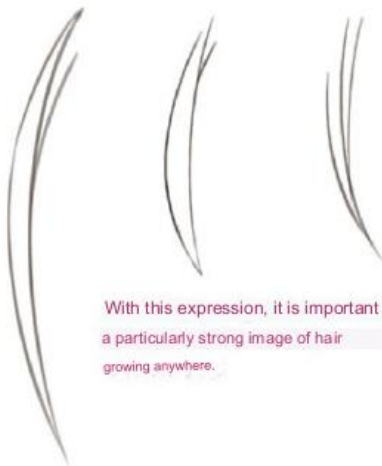
Type with drawn lines



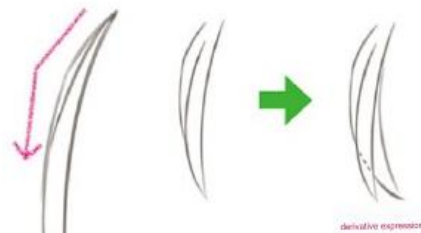
A type in which the wire is cut in the middle

### add lines inside or outside

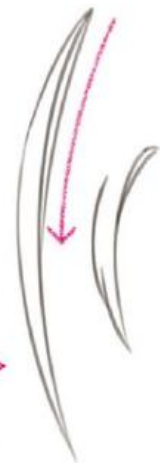
Whether you add hair inside or outside, it's a good idea to draw it slightly against the flow of the hair. If you add too many lines, it won't be monotonous, so let's add them one by one along with other expression methods.



With this expression, it is important to have a particularly strong image of hair growing anywhere.



How to add lines inside the hair.  
By adding one line that grows from the root, one more expression method will be added.



This is a method for adding lines to the outside of the hair. Add two lines (one is fine) to add a bit of stiffness to round hair to give it a natural look.

### Additional expressions for other lines

This is a pattern for adding lines where they are completely unrelated. Add it while checking the balance with other hair.

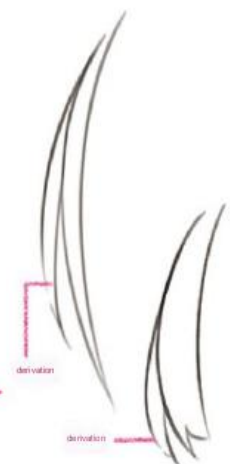


If you want to go against the flow of other hairs, it is safer to use other patterns.



A pattern that adds bending lines. It is an expression unique to illustrations, and is often used for bangs and tied hair (the roots of ponytails and twintails). It's also a very cute way of expression, so if it matches the pattern, use it positively.

Add a line to the outside, and with the expression derived from it vinegar. This expression is very versatile and is often used. The same goes for patterns that add refracted lines, but let's have an image that hair can grow from anywhere.



## how to draw hair

You can also create a variety of expressions by using thick and thin hair ends. Once you have the basics down, start applying them.

You can also use it on the ends of your hair that are cut evenly.



### Pattern expressed by cutting the ends of hair

This pattern expresses thick and thin hair by adding lines to the ends of thick hair.

Not good



It depends on how you express it, but when you look at the ends of your hair, you will be happy.

GOOD



Cut the ends of your hair, make them thicker. thin

GOOD



Add lines to the ends to express the underlying hair or hair that sticks out a little.

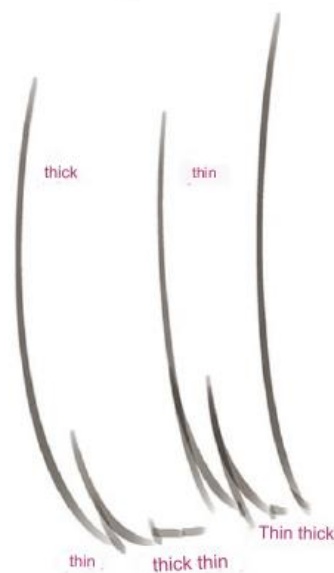
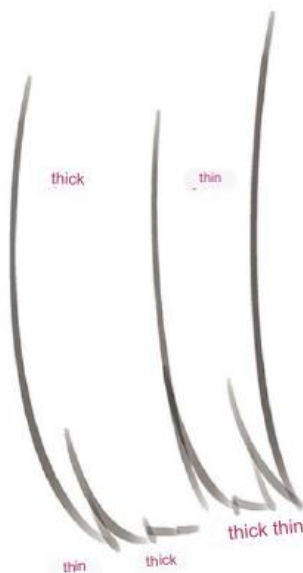
GOOD



Application example combining the two GOOD examples on the left

### A pattern that changes the thickness finely in a bundle of hair

Even with a large bundle of hair, the thin and thick hairs are drawn separately, and the thin and thick ends of the hair below are also divided into thin and thick patterns. The order of the thickness of the hair is not "thin, thick, thin, thick", but rather "thin, thick, thick, thin". If you have a lot of large strands of hair, it will be very cute if the tips of the hair are well-balanced even if they are layered like "thick, thick, thin".

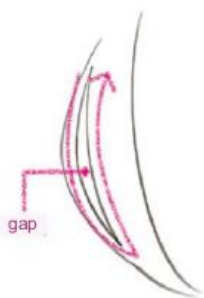


## arrangement of hair

I will show you how to arrange the tips of your hair to create a three-dimensional effect and movement.

### How to draw with one line

It is a drawing method that creates a gap in the hair bundle with one line.



1 Create gaps with lines. The ends of the hair are erased, but lines are added here to give it a softer feel.

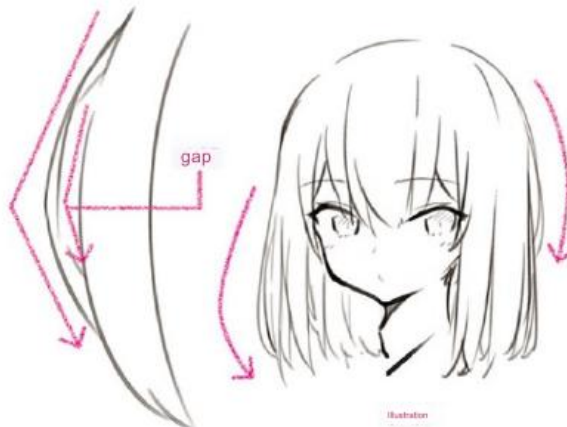


An expression that adds a line to the tip of the hair and shows the back hair that is turned inside out.

### How to draw with two lines

This is a drawing method that connects two lines on the outside to create a gap.

You can also make the inner line 2 lines. It is used when you want to give hardness.



Illustration

### How to add a line drawing to the ends of your hair

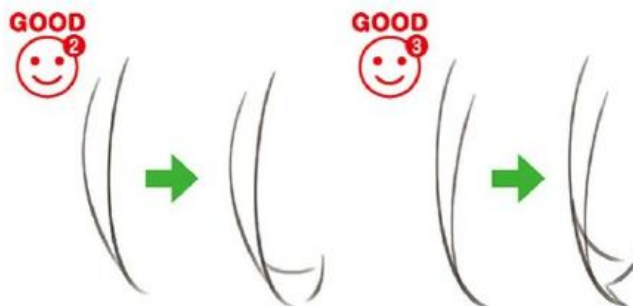
It is a way of drawing by adding a line drawing to the ends of the hair.



Considering this as the default hair tip, we will look at arrangement examples for each.

It is not good if the ends of the hair are open.

An example with one line added to a not so good example. You can connect the bottom and use it as a patch, or fill it in and use it instead of a line drawing.



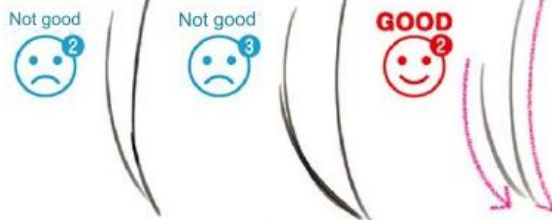
The expression of slightly hanging hair is cute, GOOD 2 is an expression that protrudes from the right side (the inside of the hair) and GOOD 3 is the left side (the outside of the hair). This expression is cute enough as it is, but if you add a derivation from here, the hair ends will feel more bundled and even cuter.

### How to draw using a line that crosses the tip of the hair or a double line

This is a method of expressing hair ends using intersecting lines and double lines.



It is not good if the lines intersect and protrude. It is better to erase useless lines and draw one short line.



Double line example. Not so good in 2, the line on the right side is doubled and the angle is sharp, giving it a hard impression. Not so good 3 is not beautiful because the lines on the left side are doubled. However, it is GOOD as a method of expressing hair in the middle instead of the ends. When drawing a curved line, it is better to draw it neatly and to process the inside of the line neatly.

### How to draw with rounded ends

If you make the ends of your hair rounded, it

will look very cute, depending on the design.

However, if you use this expression for everything, it will take time to correct the pattern.





## how hair spreads

I will introduce how to express how the hair spreads. We will look at the differences in straight hair cuts.

### A Normal cut

When straight hair is cut normally spread. The more you go to the tip of your hair, the more your hair will be gathered.



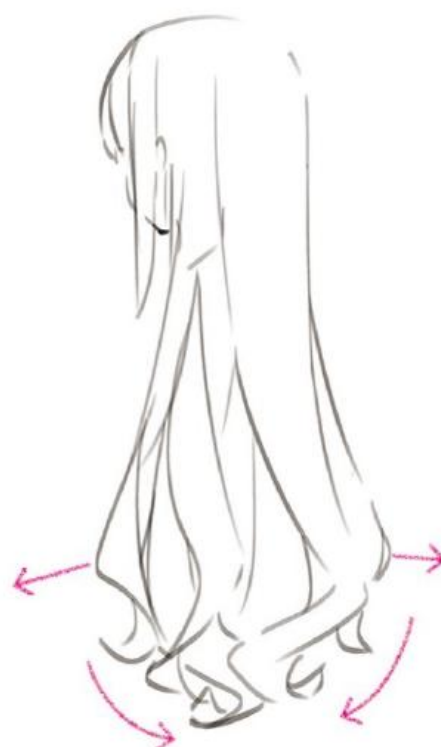
### B Patsun

The more you go to the tip of your hair, the more your hair spreads. I'll go into more detail on p.44, but if you add steps to the patsun, it will make a stronger impression. Since the hair is cut evenly, it does not form layers and spreads evenly rather than a lump.



### C wave

It narrows as you go down, and widens slightly in front of the ends of the hair. Widening emphasizes curly lines. The waves basically come together in the same way as normal cuts.



### D tied hair

The circle (●) has three fulcrums. The middle fulcrum, which is below the right fulcrum, is pulled to the right where it is more under the influence of gravity. As for the three fulcrums of the triangle (▲), lifting the right side by hand eliminates the height difference between the left and right sides and reduces the effect of gravity, so the center fulcrum is almost in the middle.

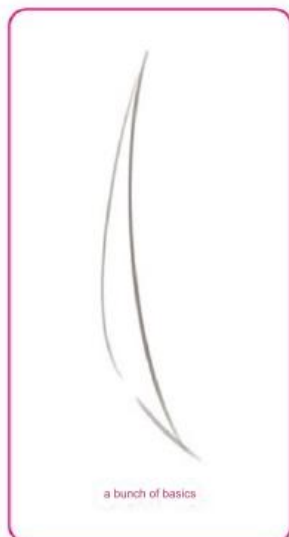


The hanging hair is easy to draw if you imagine M-shaped bangs

## COLUMN

## Hair Arrangement Pattern List

Here, we will introduce the arrangement pattern of the ends of the hair. Using the first illustration as a basic bundle, we will add arrangements from here.





Add new hair from the root. image against the flow



Pattern of curly hair. Weak winding



Pattern of curly hair. Tightening



Add a thin hair from the middle of the outside of the hair. A pattern in which the thickness of the hair is arranged from the top to thin, medium, and thick.



Add a hair on the outside. A pattern that follows the flow about halfway and goes against the ends



Add thin inner curly hair on the outside



Add only one line. Increased sense of bundle



Add hair from the outside to the inside



Add only two lines. double bundle pattern



## Inflating hair bundles 方

The shape of the hair bundle can be expressed in various ways depending on the arrangement.

## Standard

Thin at the ends and roots, thick in the middle  
This is a common drawing style. Depending on how you draw it and the arrangement of the hair bundles, you can draw cute with this alone.



## thick hair type

A type of hair bundle with thick ends. Second most used after standard.  
The ends of the hair are long, so it goes well with patsun. It has a wide range of applications, and I really like it.



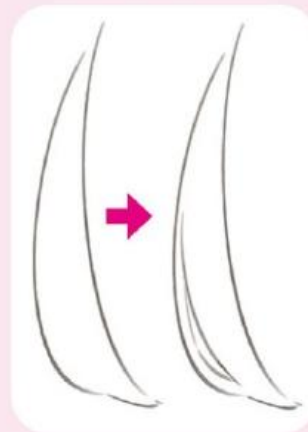
## thick root type

A type of hair bundle with thick roots. It is often used for bangs and the base of tied hair. It is a difficult expression to use when compared to the standard type and the type with thick ends.



## POINT

Here are some application examples for hair tips. After drawing with a hair bundle with thick ends, you can expand the range of expression by creating a gap in the hair bundle.



## application

The left image below is an example drawn with a standard hair bundle. At first glance, it looks fine as it is, but for me, the hair looks like it has no personality. So, let's add some individuality by adding a type of hair bundle with a thick root or a thick tip.

In the middle figure, the part marked with a circle has a thick base, and x is an example of changing to a thick-tipped hair bundle. Just by adding a few changes, the impression changed completely. If there are too many variations, or if the same shape is repeated three times or more when lined up side by side, it will feel uncomfortable, so pay attention to the rhythm.

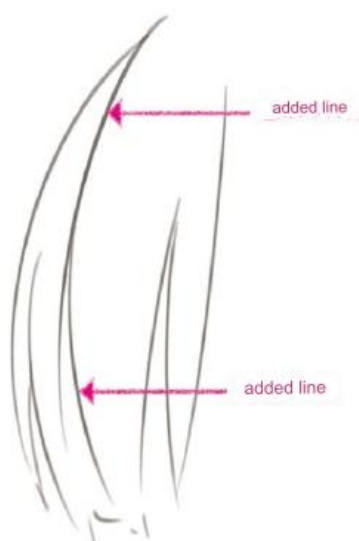


## How to add lines to tresses

Adding streaks to the tresses will increase the density of the hair and make it more assertive. Here, we will look at how to add effective lines for each part.

### bangs

For the bangs, add lines to match the fine strands of hair. The arrow at the bottom expresses adding more hair from the added hair. By matching it to the ends of your hair, you can create an expression that does not go against the flow of your hair.



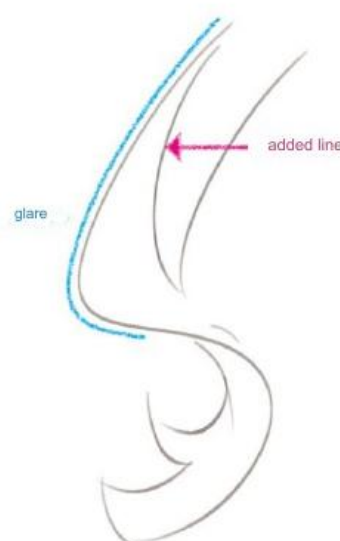
### side hair

The figure below is an example of adding a line to the side hair. Added an arrow line. Same as the left, it is drawn according to the tip of the hair.



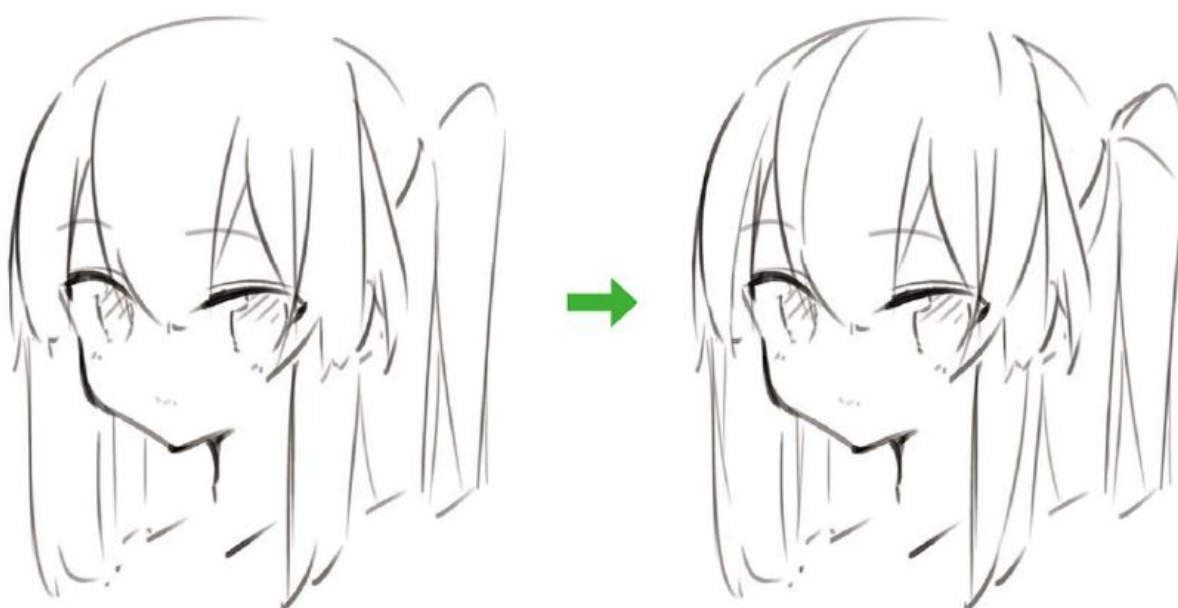
### wavy or curly hair

For wavy or curly hair, it's best to add lines towards the glare instead of the ends. The presence or absence of this makes a big difference in the appearance of the illustration.



### Example

Let's actually add a line to the unarranged hair on the left. On the right, there are more line drawings, making it easier to understand when coloring separately. Because of the lines, it is more stylish than the one on the left. There is also an expression that emphasizes the line art in the form of a lot of line art and monotonous coloring.



### POINT

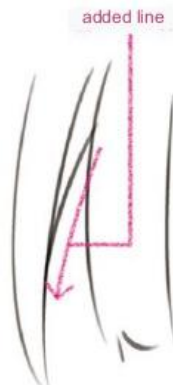
Even if you paint monotonously without adding lines, you can express cuteness.

## how to draw hair part

I'm going to show you how to part your hair.

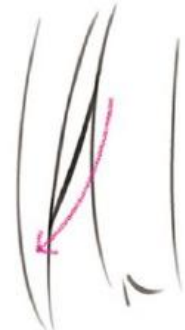
### A parting along the inside of the hair bundle

The image on the right draws a part along the inner line of the hair bundle on the left. It is one of the most used drawing methods because it is very easy to use. You can fill the parting gap by adding a line along the inside of the tress.



### Parting not along the inside of the hair bundle

The image on the right shows the parting not along the inner line of the hair bundle on the left. Aligning the lines in the same direction is very beautiful, but if you dare to go in the opposite direction, you can add more depth to your hair. However, if you use it too much, it will become uncomfortable, so you need to be careful.

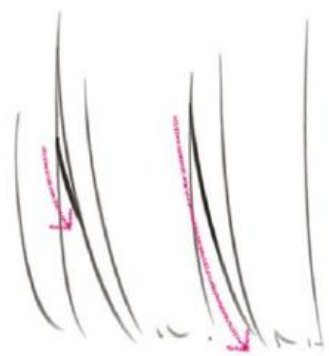


### A parting along the outside of the hair bundle

The image on the right shows a parting along the outside of the hair bundle on the right. I often add short lines, and I often use it when I draw Pattsun. By shortening the length, it is very compatible with the patch, and can be used when you want to show only a part of the patch.



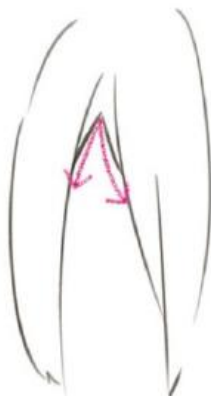
The image on the right is an application of parting along the outside of the hair bundle. Added a short line to the left part and a long line to the right part. It gives a different impression from the shape that follows the inside. However, since the shape will follow the hair, it will become monotonous even if it is too uniform. This drawing method is often used when you want to fill in gaps.



### Part along left and right hair tufts

The figure below is an expression with short hairs along the left and right. For example, you can make one side of your hair longer, or you can choose a shape that does not follow the hair line.

You can also draw a thick line drawing for the root. Also, if you pinch your hairline, it will give a different impression. It is also used to fill gaps in parting.



### parting with fine hair hanging down

A pattern in which thin hair hangs down with a hairstyle that shows the hairline of the bangs. If you show a glance at the hairline, the impression of the hair will be very strong. This is the same as when you show your nape, and by showing what you normally can't see, you make a very strong impression. Carefully consider the hairline when drawing. If you have thin, drooping hair that hits your eyes, say, "It's cuter if you don't cover your pupils as much as possible." If it covers the pupil, it will be difficult to tell where the line of sight is directed.

can't cover  
the pupil





## how to draw crossed hair

By crossing the hair, the three-dimensional effect and depth are enhanced. Here, we will explain with an example in which the hair bundle on the left side is facing up.

### A Basic form

This is the basic way to draw cross hair.

This is an expression in which the crossed left and right hairs are transparent.



### B Erase the lower hair line

The hair that comes down when crossed (the

This is a drawing method that makes the line art of the bundle invisible.

Individuality comes out depending on how to draw.



### C Make the overlap invisible

Instead of recognizing that the hair overlaps vertically, it is a way of drawing in which the front and back of the left and right bundles are recognized as being in the same position, and the overlapping and non-overlapping parts are visible and hidden. It will be a strong expression. An expression that erases the lines where they overlap is also an art.



#### example of B

The figure below shows an expression in which the lines that cross and overlap are erased. When drawing the hair, be aware of thin and thick areas. There may be many unexpected ways of drawing, but let's try to express without being bound by the shape.



#### C example

The figure below shows the pattern in which the assertion of the hair changes as the overlap is visible or invisible. Normally, I don't get my hair tangled like this, but I think it would be nice if I could make it look cute by using the lies that are unique to illustrations. Such lies become the individuality of each person.



## Patsun's bangs pattern

Patsun's bangs can expand the range of expression by adding steps or crossing them.

### A Align the Patsun line neatly

It's very cute to have a clean line, but in my case it's a matching

There is a disadvantage that it is too much and you can not make a difference in the pattern, and you will get

tired of looking at it.



### B Create a step on the patsun line

The figure below is a little excessive, but by adding steps to the hair and slightly shifting the angle, you can create a gradual and rapid effect, and the impression of the hair will be very strong.



### C Cross the center of the bangs

This is an example of covering the hair in the middle of the bangs. Expressions like these can be used for anything other than patsun.



### POINT

As I will explain on the next page, I layered the center of the bangs with an M-shaped hairstyle. This is an example of applying the method explained here to hairstyles other than patsun. Break the common sense in yourself Let's draw a lot of things. Try drawing it and if it doesn't fit, just put it back, so think of it as practice.



## M-shaped bangs pattern

The M-shaped bangs can be expressed in various ways depending on your ingenuity. Here are some patterns.

### A Cross the bangs

A pattern that crosses the bangs. X around the tip of the hair in the center of the bangs. Draw like The hair underneath is cute even if it sticks out, so it's a pattern that can be drawn in a variety of ways to express yourself. Cool and cute bangs.



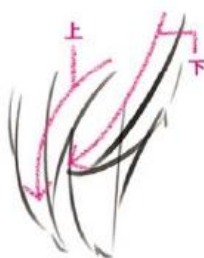
### B Cross and bounce

It is an application of bangs cloth. This pattern draws the hair on the left side (or vice versa) while making it slightly thicker and crossing it. By adding a splash to a hairstyle that has a fixed flow of hair, the impression will be stronger. This pattern gives a cool impression and can be applied to various character designs.



### C Cross and make a big splash

A and apply further. It is a pattern that further strengthens individuality by attaching a large splash. It is sometimes used when you want to make your hair unique. However, it is very difficult to apply, so be careful. Also, drawing the upper line in an unexpected place will make a very strong impression.



### ⑩ Put a part and a thick cloth

A pattern in which the M-shaped bangs are further parted and a thick cross is added. By adding a cloth, the M-shaped feeling is strengthened while showing a little Pattsun-ness. It is a drawing method that adds charm to a character by giving it a special shape. The point is to decide the division firmly. By doing so, the line drawing and painting can be done beautifully.





## Precautions when drawing bangs

I will explain the points to note when drawing attractive bangs.

### Direction of bangs when tilting the head

If the bangs flow downwards without defying gravity, it will harmonize with the flow of the side hair. The hair will be beautiful and look good if you match the flow as a whole, so let's draw with the flow properly in mind.

If you draw the bangs at the same angle as the tilt of the face, the side hair will go downward without defying gravity, but only the bangs will be distorted in the illustration. The lie that is unique to the illustration is cute, but this gives the impression that the hair is hardened with wax instead of the softness of the hair.

GOOD  




Not good  




### Expression of bangs on oblique face

The figure below shows how to draw the hair with strong curves and flowing from the top of the head. It is commonly seen and gives a cute impression. So-called moe illustrations are abstracted so that the top of the head becomes the root, and it is thought that it can give a cute impression even if the drawing is omitted. This is a drawing method that increases the degree of deformation.

In the figure below, the curve of the hair is almost straight, and the roots are slightly above the forehead. It is a way to draw. Compared to the illustration on the left, which has a high degree of deformation, it gives the impression that the center of the bangs is firmly growing from the middle forehead. The amount of drawing will increase proportionately and the degree of deformation will decrease, so consult with the picture and adjust the amount of drawing.



## Expression of hair thickness

The thickness of the hair is important for expressing the three-dimensional effect of the illustration without feeling out of place. Here, let's see how the impression changes depending on the thickness of the hair. In the figure below, the left arrow is drawn from the outer corner of the eye, and the right arrow is drawn from the base of the ear to represent the thickness. The width of the arrow depends on the angle of the face. will be

### Thicker than real

It is an expression that the thickness of the hair is thin. It fits the image of a mature older sister. The vertical width of the head itself does not change that much, and you can see that the width is extremely narrow. The impression of the hair is wide vertically and narrow horizontally, giving a realistic impression. The silhouette of the entire face shifts from the silver ratio to the golden ratio, giving a cool impression.



The golden ratio is 1:1.618 and the silver ratio is 1:1.414.

### For medium thickness

It is an image of the thickness between the left and right figures above. A beautiful and cute expression, so to speak, gives a pretty impression.

#### POINT

The thickness of the hair can be used in a wide variety of ways, such as by changing the shape of the face (eyes and pattern), or by making a difference based on the age difference.

#### POINT

Thinking about how to draw an illustration is a lot of fun, and thinking about it makes it more persuasive. That said, things like the thickness of your hair that are easy to determine can be less likely to fall into a slump if you establish some rules within yourself.

### When thickness is widened

By increasing the thickness of the hair, the width becomes wider and the head itself becomes rounder, giving a childish and cute impression. The silhouette of the entire face is closer to the silver ratio than the illustration on the left, which is closer to the golden ratio, so it looks cute. This kind of hair looks unrealistic, but since it's an illustration, it's fine as long as it's cute.



## front and back of hair

The front and back of the hair are important to show the depth of the illustration. Here, we will look at how to draw two patterns.

## How to draw the front and back of the hair clearly

How to draw hair together so that the front and back of the hair are easy to understand.

The shaded part will be the back.



## How to draw the front and back of the hair alternately

How to draw the front and back of the hair violently alternately. The interaction makes them very cute. There are three arrows, but the table can be glimpsed to increase the depth and create a strong impression of the illustration. Be aware that the angle of the light will change where the light hits.







## How to draw hair as a ribbon

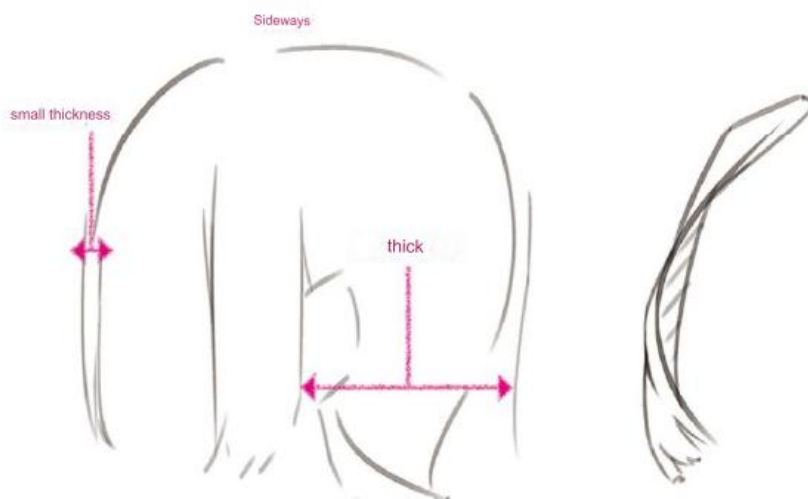
I will introduce how to think about how to deform hair and treat it as a ribbon, how to draw it, and how to apply it.



- 1** The advantage of treating hair as a ribbon is that you can express the way it flutters in a deformed way. Waves, twists, and warping can be captured abstractly, so you can draw like a ribbon.



- 2** Thinking of these abstractly captured ribbons as Pattsun's hair, add hair ends and lines to reduce the degree of deformation. This will make your hair come alive. By making the outline of the hair clean in step 1, you can see that just adding the tips and lines will make it look like hair.



- 3** Adds thickness to hair. Since hair hangs down from the head, it basically creates a thin thickness. The back hair is very thick because the hairline continues to the neck. It's an illustration, so it's okay to lie a little.

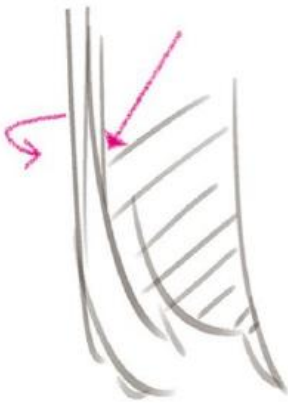
## How to draw curling hair

Here, I will explain how to think about the hair that wraps around. There are various ways to draw the wrap around the hair.

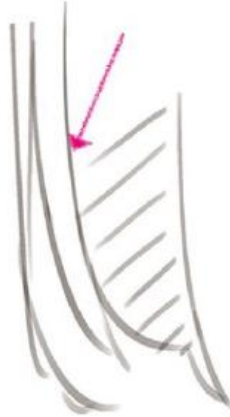
### How to draw the front and back of the hair clearly

The wrap around hair changes the way it is drawn depending on the angle and pattern.

The wraparound hair makes the illustration even more persuasive. Another strength is that it can be used regardless of the degree of deformation.



How to express hair that wraps around from the middle



How to divide with a sense of bundle



The wrapping of the hair can be used not only in one place but also in the back hair.



A method of expressing light and shadow with a single bundle. It's easier to use if you can imagine it at the rough and draft stage. It can be used for highly deformed illustrations or for omitting parts of illustrations. You can change it by using it occasionally. Basically, it is often used in the outside splash part like this example. By using it on the outside splash, you can express a lively feeling.

Another example



How to separate between bundles. Commonly used. It doesn't have a wrapping expression like the example below, so it doesn't feel moist. This is suitable when you want to draw hair with a lot of frizz. Change the way you draw depending on how you want to express yourself.



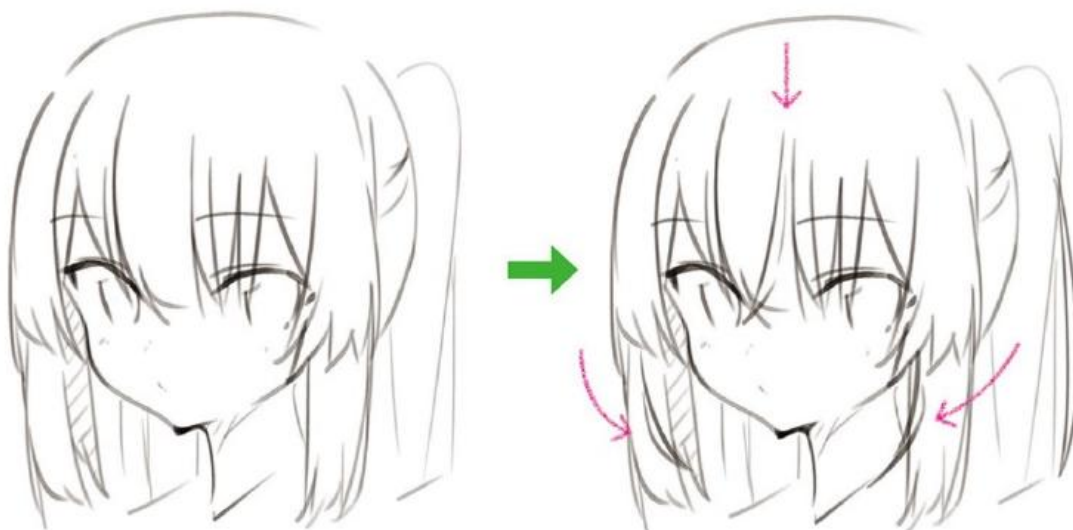
This expression is often used when you want to make someone look graceful. It is a highly versatile drawing method. However, please be aware that if you use only this method of expression, there will be no change. It is often used to curl fine hair.

## how to draw falling hair

The expression that manipulates the impression of drawing hair by adding fine hair is called "falling hair". Here, I will explain the scattered hair.

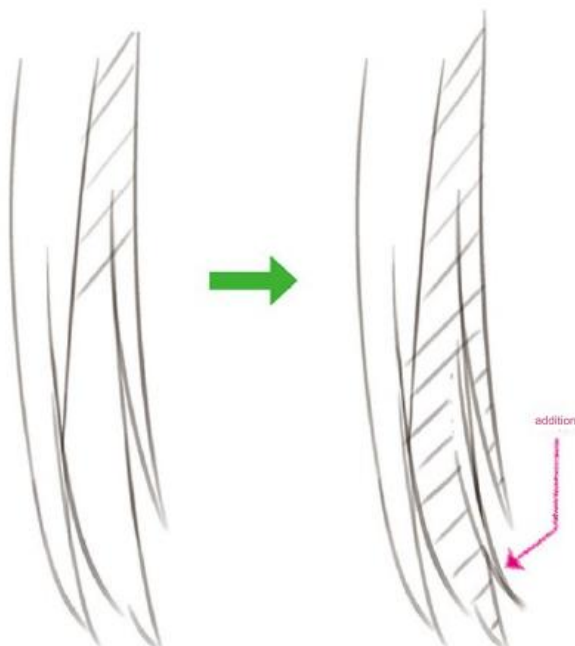
### Added loose hair

I will add three scattered hairs to the illustration on the left. When adding, you can add only the color, or you can include the line drawing. If you add it along the flow of your hair or add it inside, it will look cute, and if you add it against the flow, it will look cool and fashionable. In the illustration on the right, one is added to the bangs and two to the sides. The bangs are added in a way that goes against the flow of the hair, giving it a cool look. On the other hand, the one added to the side hair is inside and along the hair line, so it gives a very cute impression.



### Scattered hair to add to the back

The figure below makes it easier to see the front and back. Regarding the hair that has been added to the arrow, you can draw the hair that has been added to the back so that it appears on the front. From the recognition of the illustration as "front, back", it becomes "front," "back, front", and it is the adjustment of the line of sight and the amount of information.



The figure below is an illustration for drawing practice.

Based on the content so far, let's draw in various things such as falling hair and hairstyle arrangements from above. Even if it doesn't work, think about why it's bad.





## Expression of side hair

I will introduce 4 ways to express side hair.

## A Straight down

This is a way of expressing that you want to show your ears a little. Line your hair straight down. If you express the flow of, you can give a calm impression. You can look cute depending on the hairstyle and pattern. It is effective

when you want to reduce the amount of drawing and enhance the impression of other parts such as clothes or the background. Increase the drawing and look at the hair

If you want to be guided, use other hair drawing methods.



## B Make a step

This is a drawing method in which a dividing line is determined with a line slightly below the eyes, and the side hair is divided by that line to add a stepped expression. This drawing method can be used to increase the impression around the face. In addition, by creating a step, the upper part of the hair can be hung, and by separating it from the hanging hair, the lower part of the hair can be hung straight. It will be an effective way to draw hair



## C Inner curly hair

This is a drawing method that adds a little thicker to thicker hair to pattern A. It gives a beautiful impression. You can add thicker hair to make the ends slightly rounded, or make the ends thicker to give a cute impression. It is a very adaptable method that can be added to any other pattern.



## ① Integrated with back hair

A pattern that combines with the back hair and makes the ears invisible. It is a way of expressing that the one whose ears are not visible is prettier. However, it is possible to make the ears invisible, but in this case, it is used when you want to express the hair in a flowing manner. I recommend using it when your hair hits your shoulders or back because it will give you a great feeling. In addition, since there are few lines, painting is the main method of drawing.



## How to hang hair according to ears and shoulders

It is more natural if the hair also hangs and branches to match the ears and shoulders. Side hair is especially susceptible to these effects. Let's see how to capture and draw.



**1** Draw the head with no hair or anything.



**2** Clarify the position of the hairline.



**3** Draw side hair along the hairline. The arrow above the ear represents the hair that branches out from the front and back of the ear. It depends on the design, but keep in mind that the ears will make the hair branch, and it would be nice to express it with coloring. The arrows under the ears represent the branches of the side and back hair. If the hair on the back is long, the hair will flow down the back, and the side hair will naturally branch out. Note that there are of course exceptions.

### POINT

There are also exception patterns that do not fit ears or shoulders. The figure below shows a unique hairstyle with a strong outside splash. It will be a hairstyle with a strong sense of wildness. The more you move away from the basic shape, the more wild it becomes. Curly hair and waking up Before setting this hair can be expressed with these applied methods, so it's a good idea to remember.



## how to draw drill hair

I will show you how to draw side drill hair that is often seen in princess-like hairstyles. I will explain two types of drill hair.



### thick drill hair



**1**

Draw a cylinder. Make the tip side of the cylinder smaller.

**2**

Make a notch. The width narrows towards the tip.

**3**

Open the incision and add fine hair Masu. Shift the bundle sideways or diagonally and you are done.



### thin drill hair



**1**

Draw lines. I draw while keeping in mind that it makes me spin.

**2**

Add thickness along the line.

**3**

Finish by adding more details and reducing the deformation.



## How to draw between side hair and back hair

If you add hair between the side hair and the back hair, you can add cuteness and personality. Here are some patterns.

### A Bounce backwards

It is a hair that is easy to understand when viewed from an angle.

The hair that looks like curly hair gives you a feeling of animal ears, and it looks cute because it looks fluffy and has more volume.



When viewed from the front, you can see that the feeling of splash is a little strong. If the hair is straight and has no splashes when viewed from the front, this hair will not be visible, so be careful. If you make it a little longer even from the front, it will give a calm feeling. It is cute even if it is wrapped inside. By shortening it, I become a lively child, a child with animal ears.



The figure below shows an application pattern. The hair between the side hair and the back hair is blown normally, but the long hair that hangs below it falls from above the ears, making the width of the side hair look wider. This kind of expression can also be done with hair. One thing to keep in mind is that it's hard to balance, so in reality, it would be cute if you drew it in a way that hits the shoulders and is gathered toward the bangs. became.



### B Roll inward

This is an expression when the hair is long and curled inside. Adding thin hair expands the range of expression. Expressions that do not show ears make it more like an illustration. Let's apply this in various ways.



## More variety of hair expressions

Applying the methods of drawing hair introduced so far, I will introduce a variety of drawing methods.

### Add straight hair

This expression is used in fine hair. By intentionally adding a straight line in a beautiful curve, it creates an unnatural feeling. It's an eye-catching illustration, but it's a difficult expression to master.



### hard curve

This is a drawing method that expresses the curves of thin hair with a firmer texture. If you add a little curve to the straight hair on the left, the difference between the thick hair and the scattered hair will look very cute.



### sharp expression

One of the not-so-good examples of how to draw the ends of hair on p.36. Here is an example that can be used with a special pattern. This is an expression in which the way the hair is cut is deliberately sharpened. If you add more curly hair like this to the other hair, you can create a more individual



Illustration.

### linear character

A method of intentionally drawing in a straight line when the hair is folded back to form a "ku" shape. This is a drawing method that creates a cool atmosphere. Only one curve is hard, so this alone gives it a unique character.



### straight line division

A method of drawing straight hair that flows sideways when parted in an M shape. Even if you have hair with beautiful curves, this is a method of expression that adds character by making the hard-to-see parts harder.



### How to express hair with a single line

How to draw with a single line where there is likely to be hair. It is easy to draw outlines, and the sense of design increases. As a way of thinking, you can leave an impression with a strong animation feeling (deformed feeling) by treating it as a horizontal line (single line) of the ribbon only here. By drawing the hair with lines, the area to be painted is reduced, so it is ideal for areas where you want to strongly retain the characteristics of the line drawing.



### POINT

The drawing method introduced here is well suited for illustrations with a strong sense of design. You can also draw some fine hair to make it more effective.



There are many other ways to express hair. If you want to express your individuality with your hair, I definitely recommend pursuing your own hair expression.

## Strength of line drawing

The atmosphere of the hair changes depending on how you apply the strength of the line drawing.

### How to add KC strength



- 1** Draw a line drawing on top of the rough sketch. Although it is a line drawing, both the hair and skin are drawn with uniform lines. We will add strength and weakness to this line drawing.



- 2** It is a line drawing with the rough hidden. It is drawn with a uniform line, but if it is a pattern that emphasizes coloring, it is okay to paint from this point. I'm going to add strength to the line art, so I'll start drawing from here.



An illustration that makes the thicker lines stand out



- 3** Thin the lines where the light hits, and thicken the lines where the light doesn't hit. The bangs and forehead are easy to see, but since the deep hair is on the outer side, the inner forehead looks darker. The hair on the opposite side is darker than the hair on the side where the light hits, so I make the line drawing thicker.



- 4** This is a completed line drawing. In my case, I make the hair a little more fine and show more of the strength and weakness of the line art. Instead, I lightly apply the paint. Whether you want to make the line art stand out, or you should focus on coloring, consult with the design and draw.



## Deformation degree and drawing degree according to the pattern

Based on an anime-style touch with little drawing, I will introduce the difference between the degree of deformation and the strength of drawing.

## Anime style with little drawing

As with the eyelashes, each strand of hair is drawn thicker. Also, it is good to draw according to the drawing of the eyes. It is a good idea to adjust the thickness of the hair.



## The degree of deformation is quite strong

You can see that the tips of the hair are quite different compared to the above two. It's clumpy and thick. Since the impression around the face is reduced as much as the impression of the eyes is strengthened, it is a drawing method that gives a design-like finish with a composition that makes the whole body attractive. Also, I recommend using a slightly thicker line drawing than the above two.



## low degree of deformation

I tried to grow long eyelashes. The hair is also finer and has more tufts than the one on the left. The hair is fine and the eyes are not large, so the impression is weak.



## low degree of deformation

In order to adjust the impression of the face by putting the hair very finely, the eyelashes are made thin. If you make the line drawing thin, it will be a fun way to paint. It's the most lively thing I've been drawing myself (hair is fun to draw!).

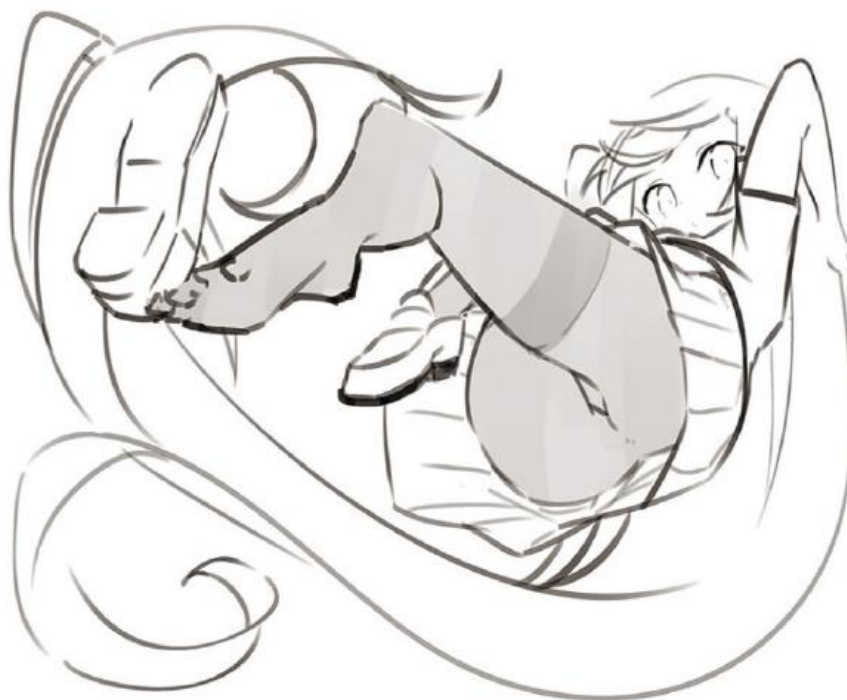


## Difference in impression when drawing hair

Let's look at the difference in impression depending on the degree of drawing the hair. The impression changes greatly by drawing, and the flow of the viewer's line of sight also changes.

### When there are few drawings

If you draw less hair, the degree of deformation will increase. The viewer's gaze goes to the clothes next to the face, rather than the hair. I painted my hair I often borrow.



### When drawing a lot

The viewer's gaze circles greatly from the face to the hair. At this point, there are only lines, so you can make various adjustments depending on how you paint. In my case, I want to make the most of the visual guidance as it is, so I tend to use light coloring.



## A line that is conscious of the softness of the hair

The figure below shows a line that has been drawn in a dizzying fashion. You may think, "So what?", but I really like relaxed, wobbly lines, and I use this in my line art. It is the same as what is said to like rough lines in general. I will explain how to draw and how to soften it.



Loosen your strength and draw a line unsteadily



Each person has their own peculiarities in a single line, and I really like looking at them.

Basically, I often draw in the order of rough drawing, rough draft, and line art, but I think it's important to reduce that process. The way to soften the lines is to "basically ignore the draft when drawing the line". From the rough sketch to the rough sketch, and from the rough sketch to the line drawing. So, I draw with the awareness of ignoring the rough lines. In the figure below, the left is a rough draft, and the right is a line drawing. You can see that I almost ignored the draft lines. It is important to draw each piece with care, but always be conscious of not making it too hard and heavy.



### POINT

In the case of digital illustrations, it is also important to adjust the settings of the brushes you use to suit you.



## COLUMN

### Impression by hairstyle (Character personality)

The figure below is a comparison illustration where only the hairstyle is different. Even if the movements (gestures), facial expressions, eyes (hanging, drooping), background, etc. are the same, you can change the impression of the character's personality just by changing the hairstyle.

#### Short hair + super long hair + straight

Hair gives off a strong impression of calmness and gives the impression of a graceful character. It is an image of a neat and young lady.

Since the body is calm, such an impression becomes stronger.



#### M-shaped division + super long + twin tails

I have a strong impression that he is energetic and younger than the one on the left. It creates an innocent and lively image.

The twin-tailed hairstyle gives off a little youthfulness and cuteness, so that kind of impression is stronger. The side hair and back hair are slightly wavy and raised.



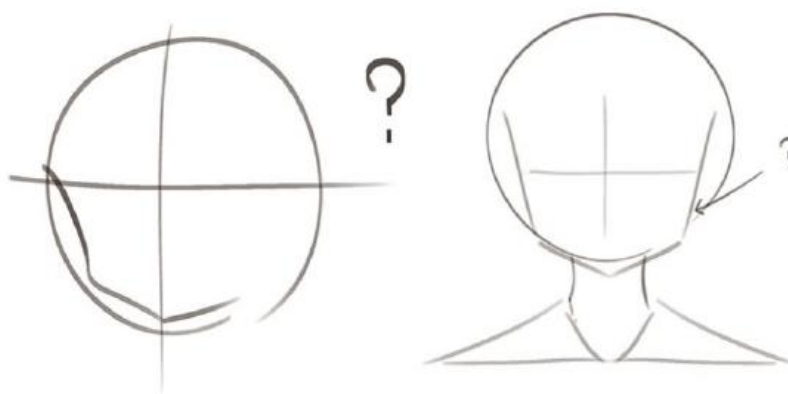
## 04

## how to draw a face

If you draw attractive hair, it will be a cute illustration, but if you can also draw a cute face, it will be a demon. Here, I will introduce how to draw cute faces in my own way.

## What is facial atari?

If you draw a well-balanced face, it will be easier to draw the lines of the shape of your head, and as a result, you will be able to draw attractive hair. I think that each person has their own way of getting a mark on the face, but as one reference, I will publish my own method. I was not good at drawing the parts of the face by feeling. It was difficult to understand the balance of the face with the usual method of using circles and crosshairs, as shown below, and I ended up drawing "something" that could hardly be called a character.

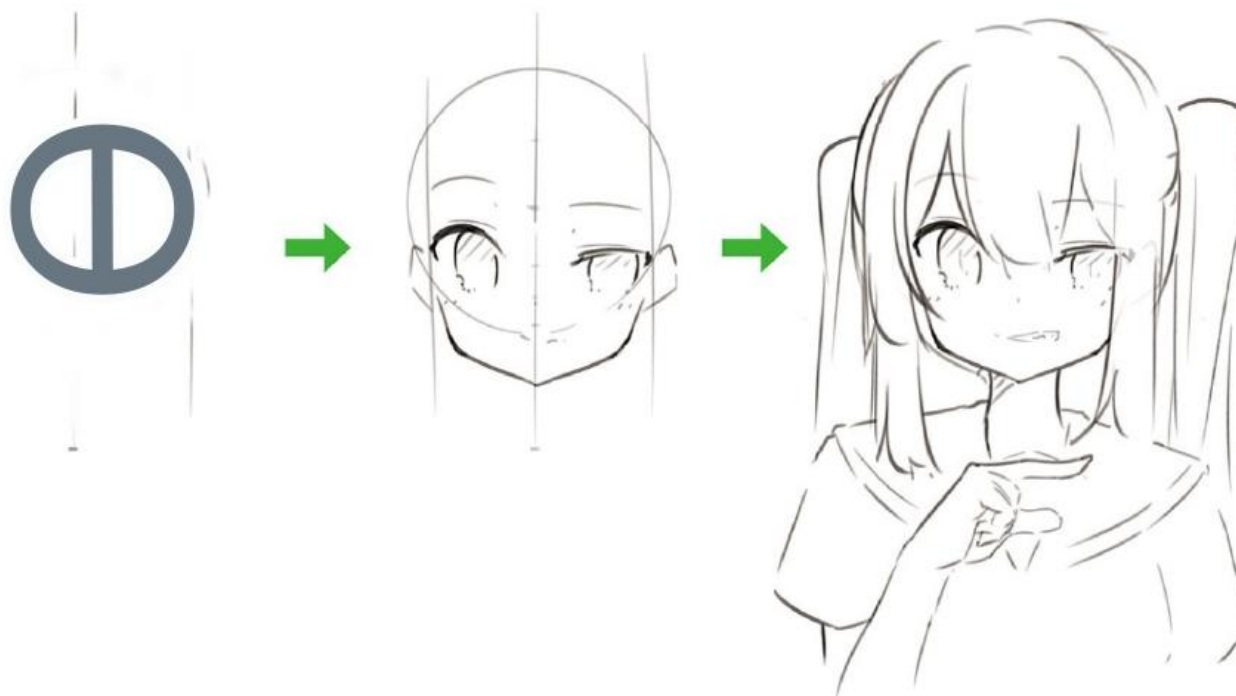


Because the strokes and rough drafts were not accurate, even if I drew a high-quality illustration once, it would fall apart when I drew the next one, and the illustration was not convincing.

## How to draw in my own way

Therefore, I created a drawing method by calculating the positions of the eyes and chin, which are the base of the face. The following is an example of how to draw a face from the stroke calculated. From the next page, I will introduce detailed drawing methods for each angle of the face to draw. In addition, this drawing

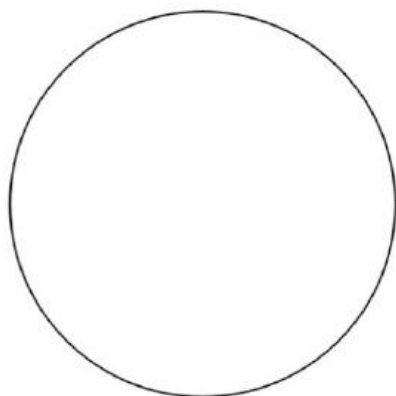
This is not necessarily the correct answer, so please use it as an example only.



I will show you how to draw a frontal, sideways, and oblique face. Every method draws a circle and then calculates the reference line and draws it. Also, finally, we introduce the application pattern.

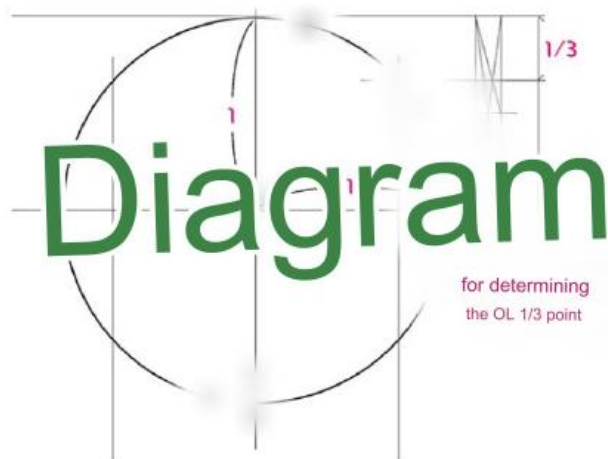


## front facing face



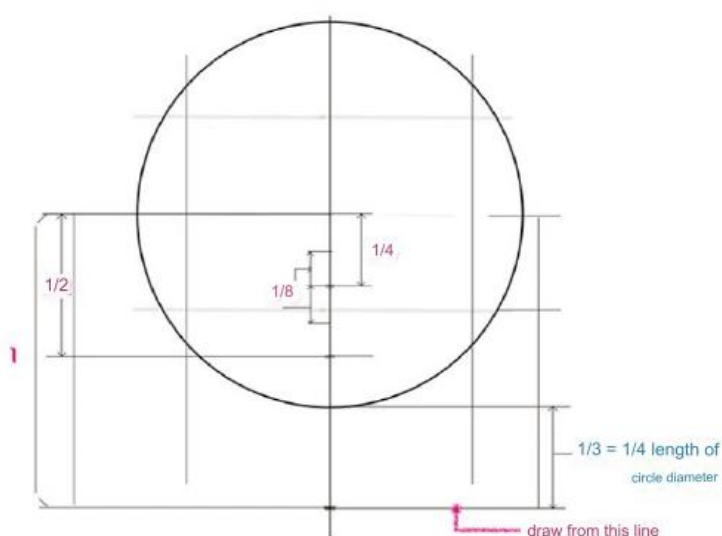
11

Draw a circle. Freehand is fine.



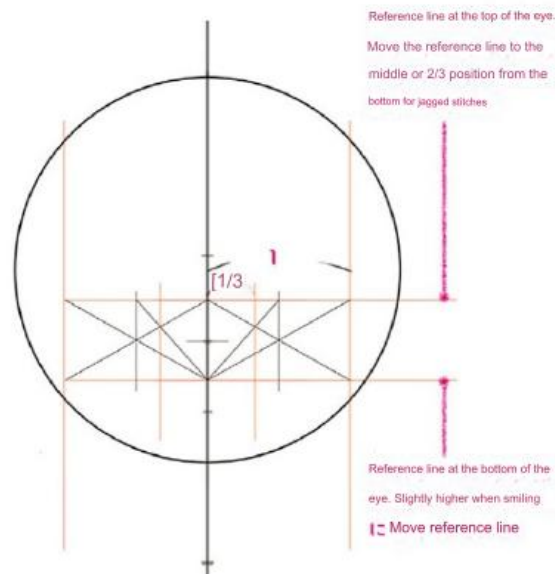
2

Divide the circle crosswise and draw lines that cut off the left and right sides.



3 |

Draw a reference line to determine eye height.



4

Draw a reference line that determines the width of the eye.



The method I introduce here is a modification of A. Loomis's method for beautiful girl illustrations.

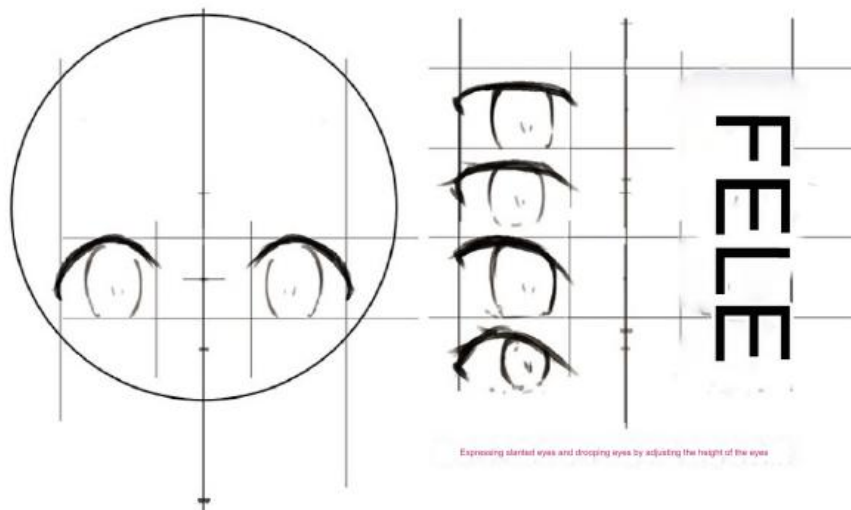
It is

A. Loomis is an American illustrator who is famous for publishing numerous illustration technique books. His books accurately explain the techniques that should be kept in mind when drawing illustrations, so they are often recommended for beginners to advanced users, especially those who want to learn human illustration in earnest. His books that have been translated and published in Japan include "Yasashii Hijina" and "How to Draw a Kind Face and Hands" (both published by Maru Publishing).



5

Using the reference line in 4 as a guide, draw the eyes.



Expressing slanted eyes and drooping eyes by adjusting the height of the eyes

## POINT

Aligning the white part of the outer corner of the left and right eye with the reference line

It's a trick.

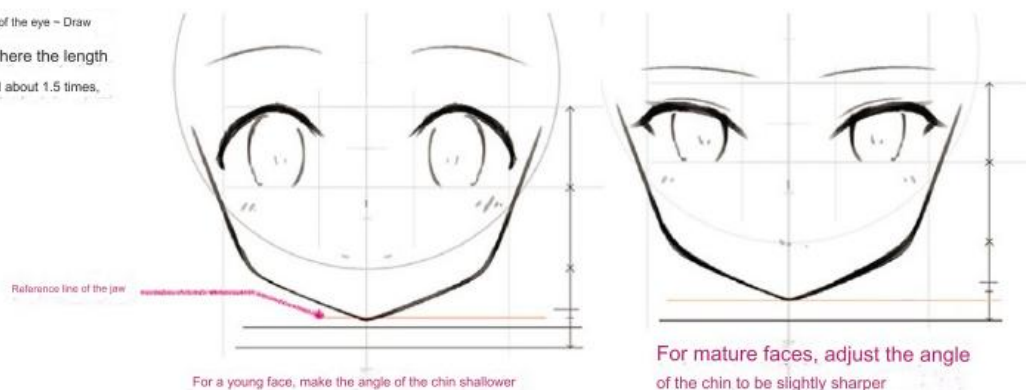
The reference line is only for the eyes, so the eyelashes are the reference line

It doesn't matter if you exceed the



6

Draw a jaw. Reference line of the lower part of the eye - Draw a reference line at the position where the length of the lower part of the circle is extended about 1.5 times, and use it as the lower part of the chin.



For a young face, make the angle of the chin shallower

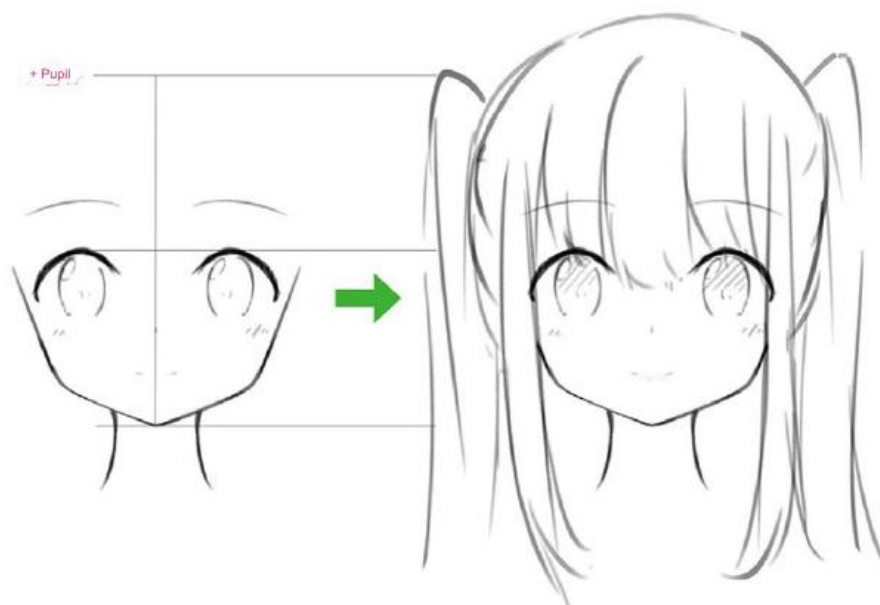
For mature faces, adjust the angle of the chin to be slightly sharper

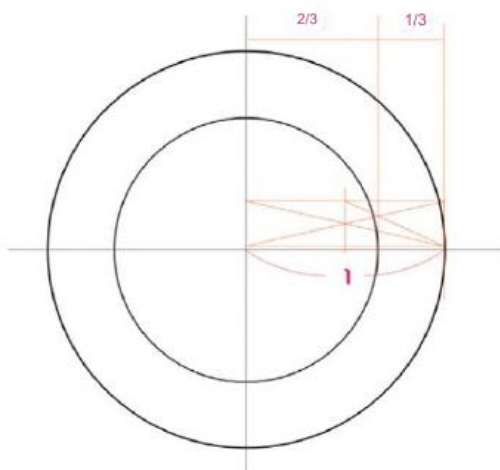
7

Decide the top of the head and draw the hair. If you have a childish face, shave two eye heights from the reference line above the eyes. That being said, this is also a place that depends on the pattern.

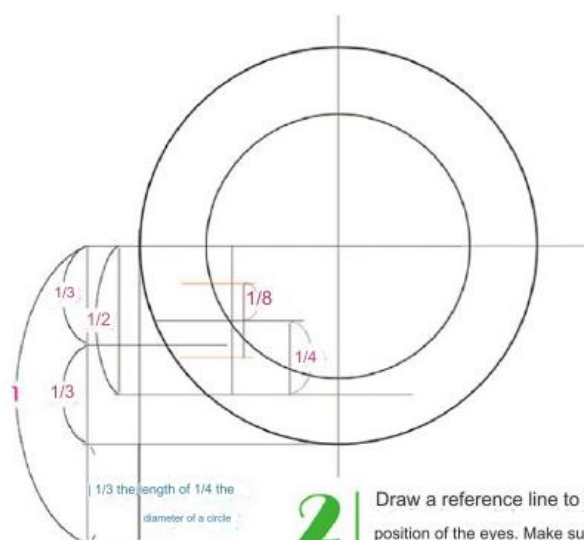


I'm the type of illustrator who draws the face from the eyes. For this reason, it has been a challenge for many years to draw the proportions of the eyes neatly from the beginning. The method introduced here is a way to draw the eye proportions beautifully.

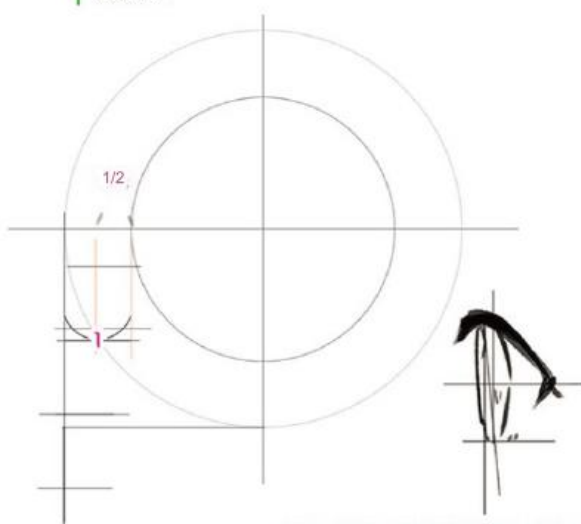




- 1** Draw the same circle as for the front face, and draw another circle at the inner  $\frac{1}{3}$  position.

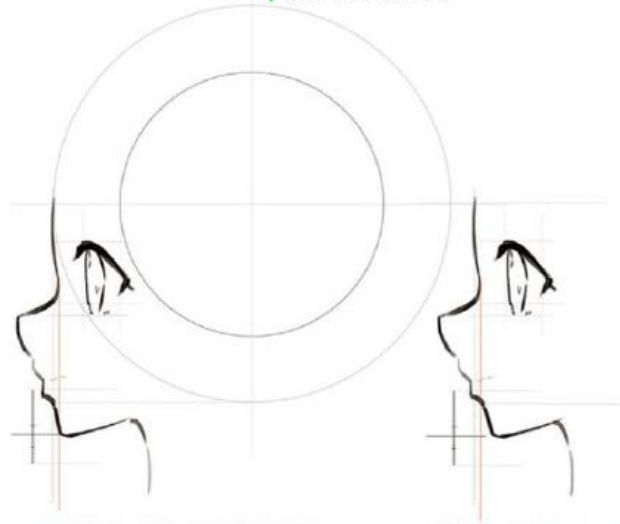


- 2** Draw a reference line to determine the position of the eyes. Make sure it is level with your front facing face.



When viewed from the side, the bottom part is slightly recessed, so adjust with that in mind.

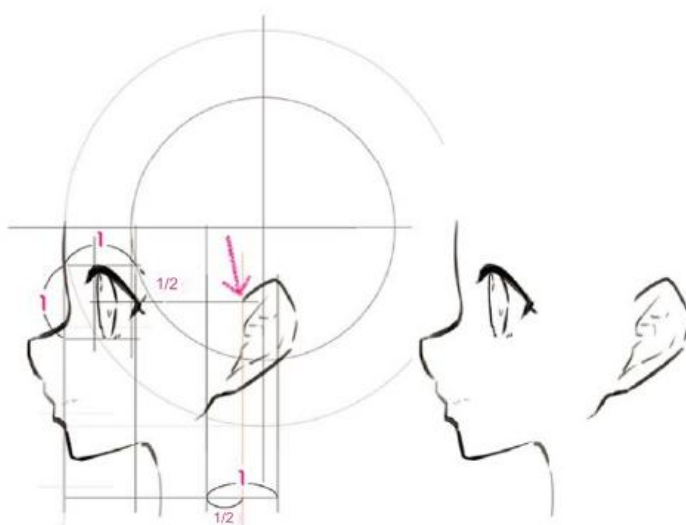
- 3** Draw the eyes, keeping in mind the position and width of  $\frac{1}{2}$  the distance from the outer circle line to the inner circle line.



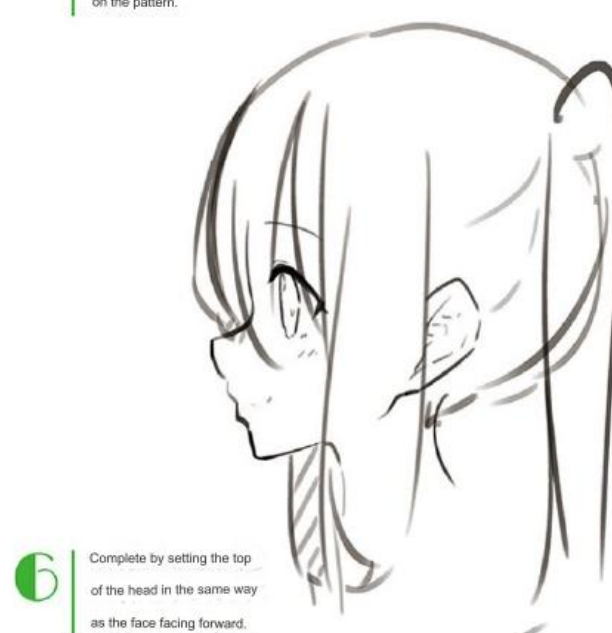
An example where the bridge of the nose (center line) and chin have the same width

Examples in front of the bridge of the nose (often in young designs)

- 4** Using the eyes as a reference, draw the mouth and nose so that they are at the same height as the front facing face. The unevenness at this time depends on the pattern.



- 5** Figure out the position of the ears. The base of the upper part of the ear was set at a position 2.5 times the distance from the forehead to the corner of the eye.

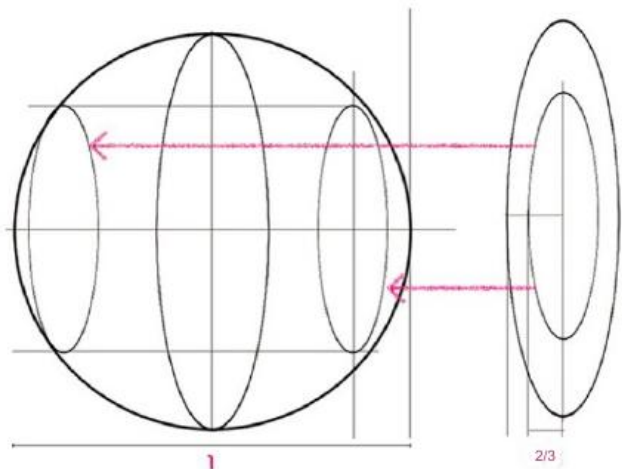
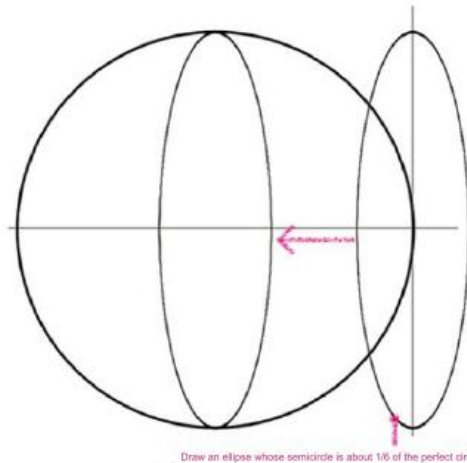


- 6** Complete by setting the top of the head in the same way as the face facing forward.



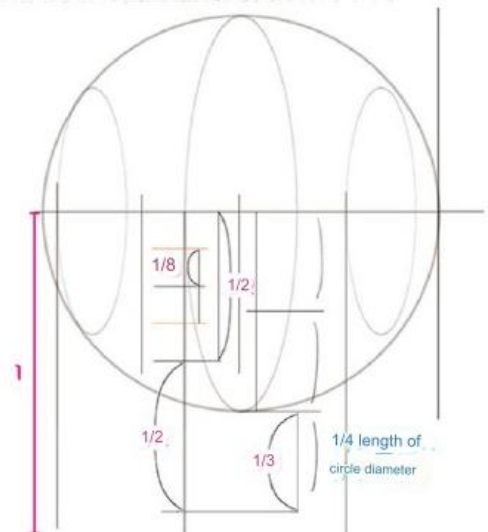
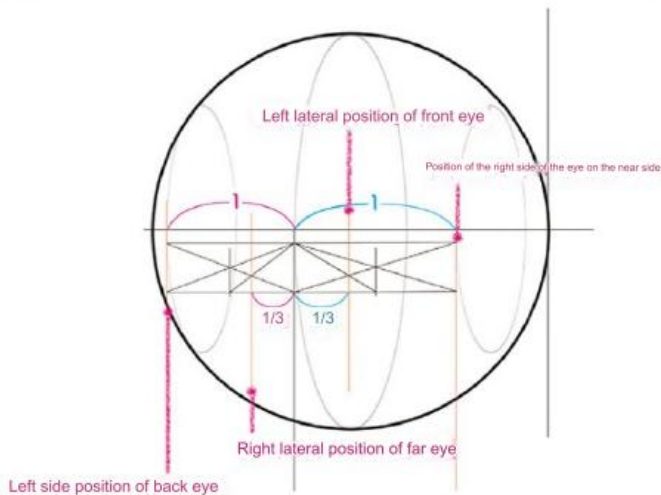
## slanted face

It is also important to draw a diagonal face while checking the front and side faces.



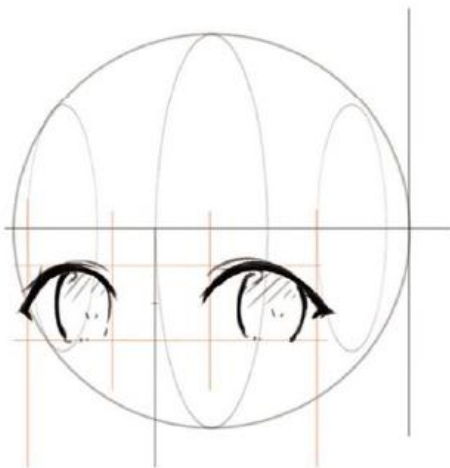
- 1** Draw circles (circles and ellipses). Move ellipse to center of perfect circle  
Let

- 2** Draw a 2/3 size oval inside the right oval. Move the drawn small ellipse to the left and right of the perfect circle. A circle for determining the position of the line that cuts off the left and right sides of the face.



- 3** Draw a reference line that determines the width of the eye. To draw the left and right eyes as shown  
Find the position of 1/3 of

- 4** Draw a reference line to determine eye height. Determine the position in the same way as the front and side facing faces.



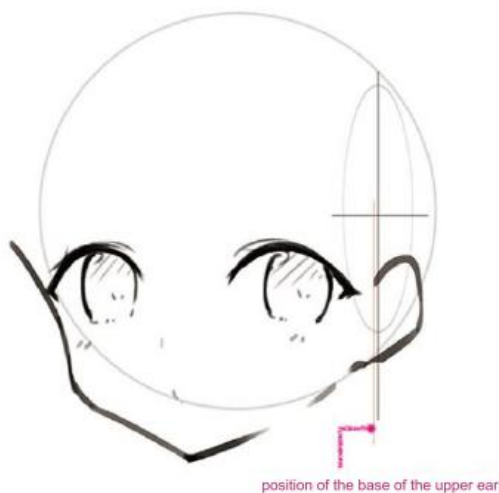
When drawing a profile, if the chin is closer to the throat than the bridge of the nose, draw the tip of the chin away from the center line. Draw the nose and mouth based on the profile



- 5** Draw eyes according to the reference lines in steps 3 and 4.  
to come.

- 6** Draw an outline. Each person has their own preference for how to draw the chin, such as shaving or bulging, but draw with the height of the cheekbones in mind.





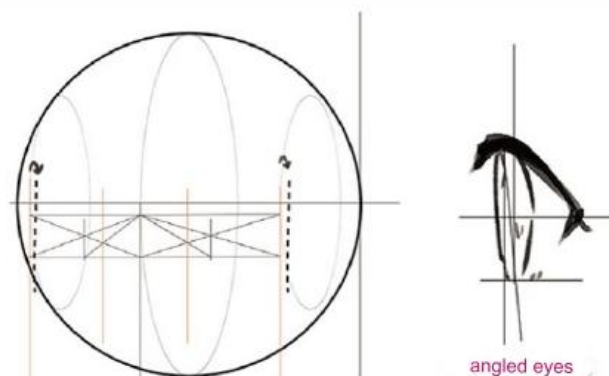
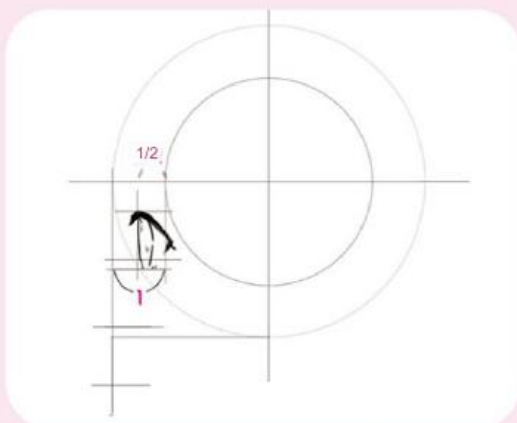
- 7 Figure out the position of the ears. Right side (front side) I set the base of the upper part of the ear slightly off the center of the ellipse.



- 8 Determine the top of the head in the same way as the front and side faces, and draw the hair to complete.

### POINT

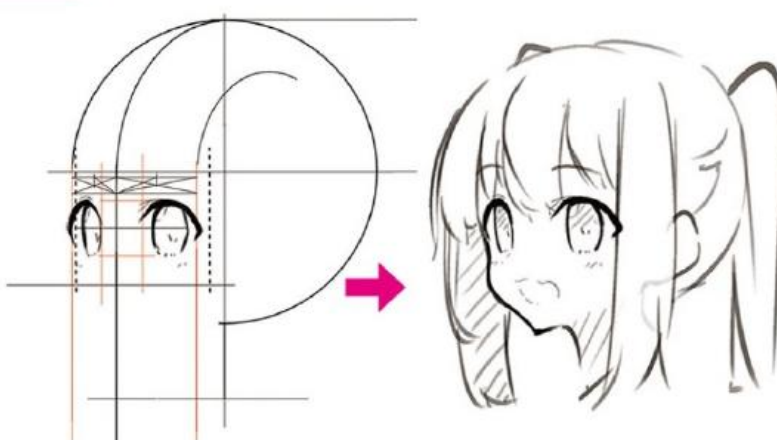
At the stage of the procedure, the oblique face is completed, but the cuteness is not enough. Therefore, we will make it more cute by using it on a sideways face and by applying the figure below to a diagonally facing face.



Originally, the eye on the far side becomes narrower in terms of angle, while the eye on the front becomes wider. In addition, the pupil has an angle.



Taking that into consideration when drawing the eyes, the width of the eyes changes slightly and the pupils are angled as shown above, to come.

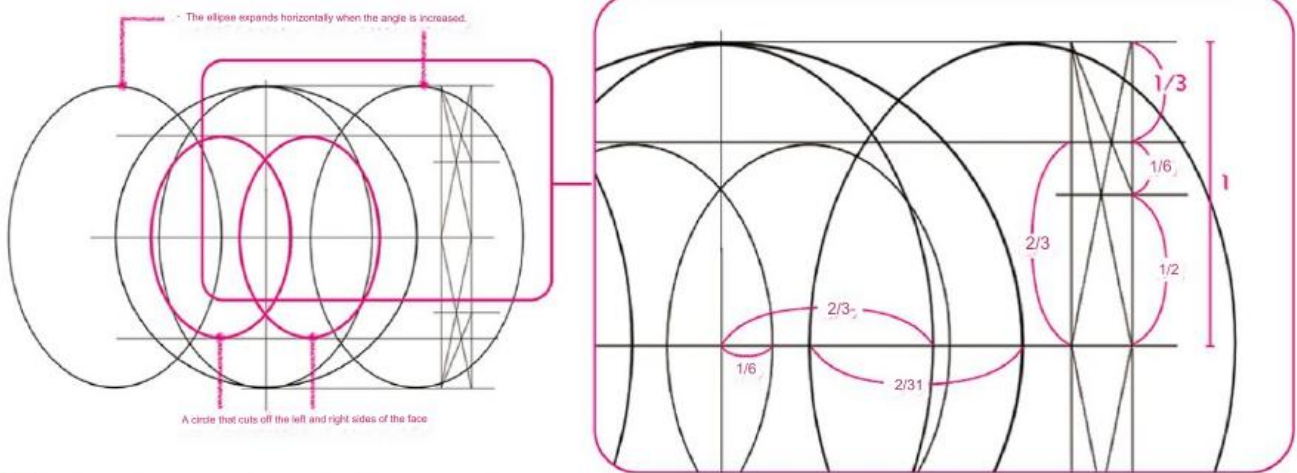


The stronger the oblique angle, the closer the face is to the side, so the angle increases. Inner eyes are more affected. I will explain how to draw a diagonal face that exceeds 45 degrees on the next page.



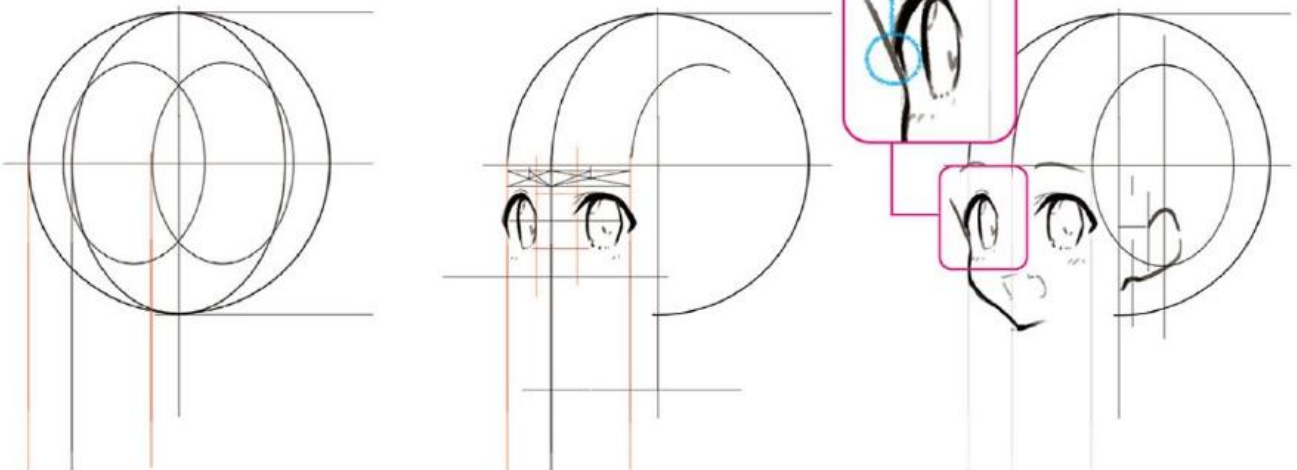
## Angled face (over 45 degrees)

Applying the method of drawing a diagonal face on the previous page, I will introduce how to draw a face with a more angle (45 degrees this time).



# 1

Calculate the circle to cut off in the same way as for the diagonal.



# 2

The circle on the back side (where the left and right widths of the front face are cut off) is in a position that cannot be seen.

Masu.

# 3

Determine the reference line of the eyes in the same way as front, side, and oblique. Draw the eyes on the back side along the reference line and draw a smaller width.

# 4

Normally, the eyelashes and the outline of the face would appear to be stuck together, but I wanted to add a two-dimensional deception, so I drew the eyelashes and the outline slightly apart.



# 5

Completion looks like this.

### POINT

If you draw an oblique line and then change the angle, you can draw an illustration like the one on the right.

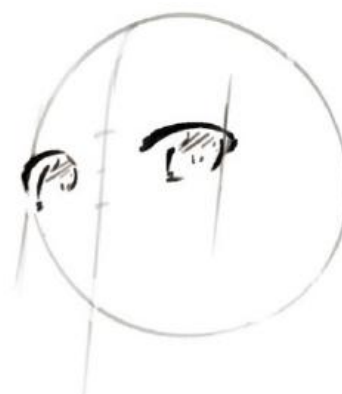


## looking down face

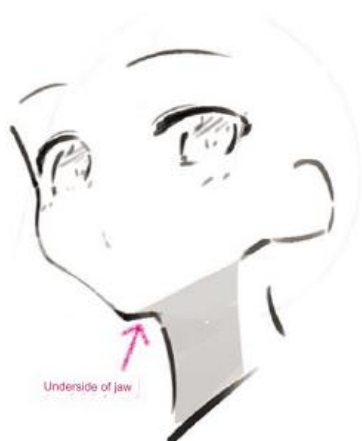
As an application, I will introduce a slightly rough drawing method.



**1** Draw a circle as before.



**2** Draw a reference line for the position of the eyes and draw the eyes. Since it is a tilt composition, it is an image that the upper side swells.



**3** Draw an outline and draw parts such as the ears. If you can see just a little bit of the underside of the chin, the composition of the tilting motion will be more persuasive.



**4** Decide on the top of the head and draw the hair to complete. Looking down, you can barely see the top of your head.



By using a drawing method that calculates the position of the eyes and chin properly, you can create a stable pattern. I think it's good to use this method to draw while you're not used to it.

While searching for various things, I thought that the one who was a little out of shape (the one with a habit) would be more useful as an illustrator, so I omitted the reference line and drew a line in my head, keeping the minimum necessary. I settled on the method of actually drawing only things. Once I learned to draw with a nice balance, I could get a feel for it, so after that I improved through trial and error. If I drew something wrong with my instincts, I would calculate and draw again, and then I would return to my senses, and I would repeat that process. If it's not cute in the first place, it may not match the pattern, so I adjusted the calculation formula. As I wrote earlier, the way the face is drawn varies greatly depending on the design. Finally, find your own style of drawing.



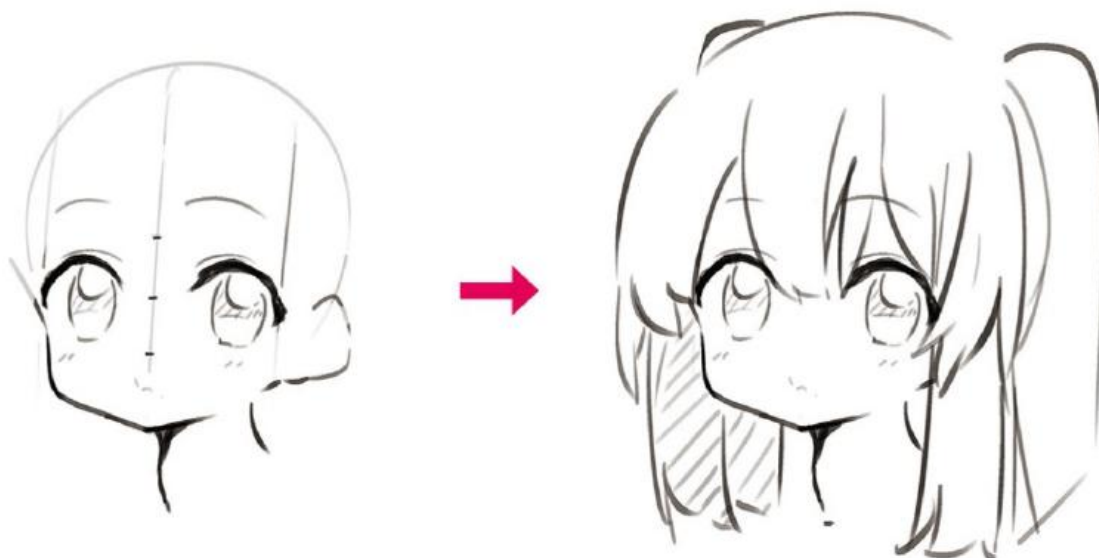
## COLUMN

## face pattern

The pattern is different for each person, but I think that the balance of the eyes is basically the same no matter what character you draw. Therefore, holding down the basics of eye balance and not worrying about the face will lead to a reduction in work time.

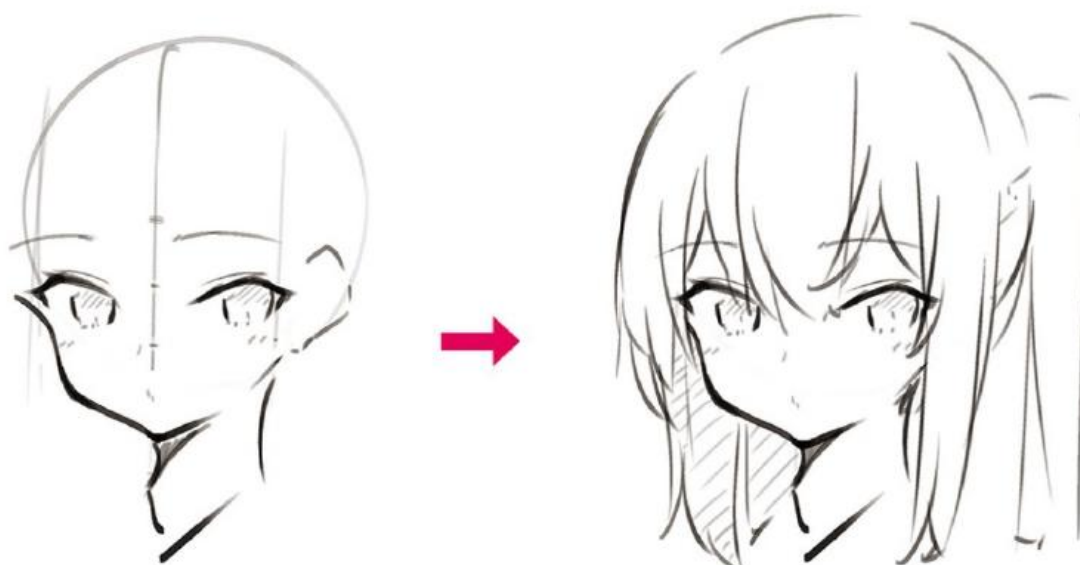
## young face

You can express your youth by opening your eyes wide, not gouging your cheekbones, and making the vertical line of your chin very narrow.



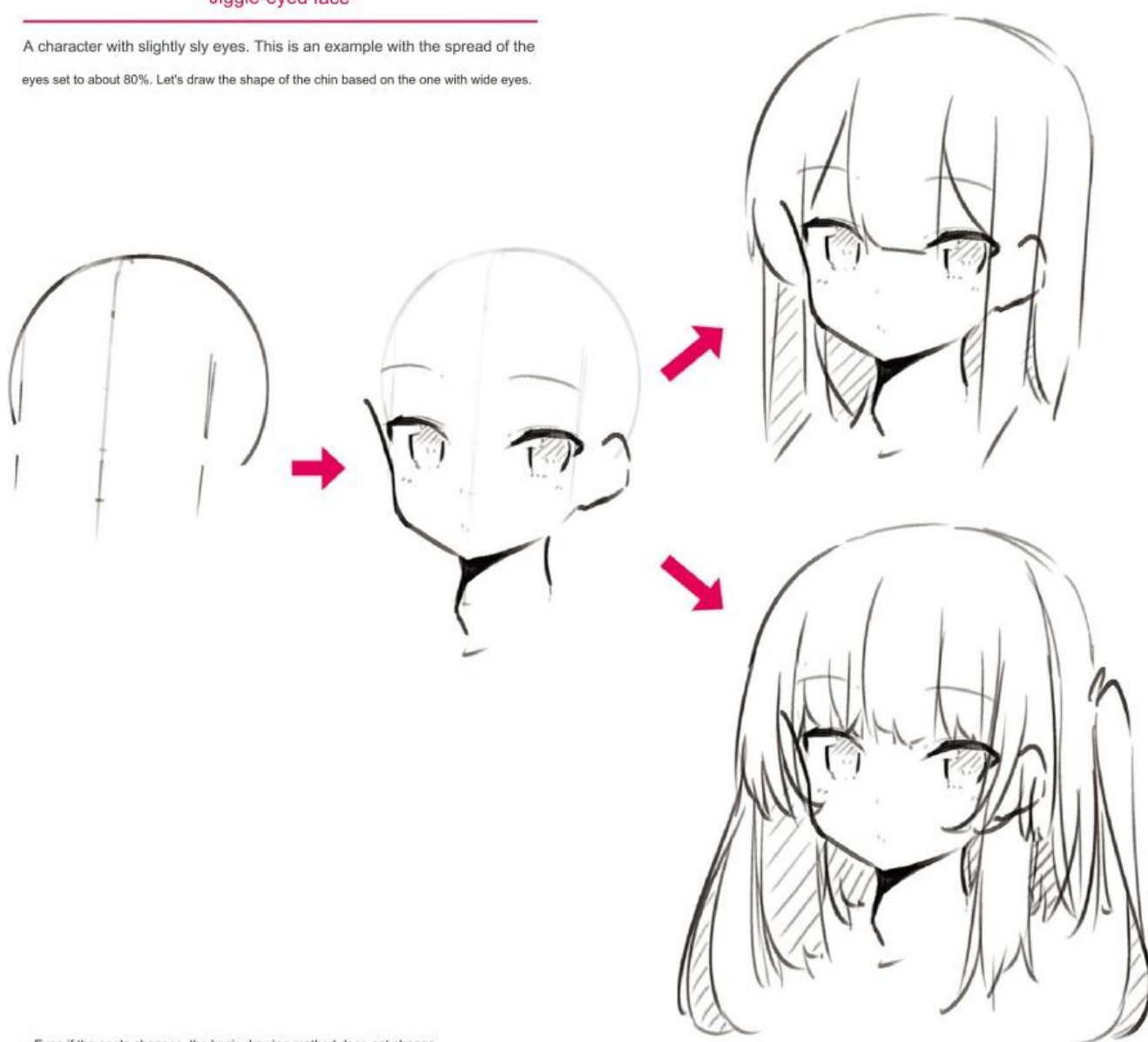
## mature face

Squinting the eyes and widening them, making the chin longer and the cheekbones scooped out compared to a young face can express a grown-up look.

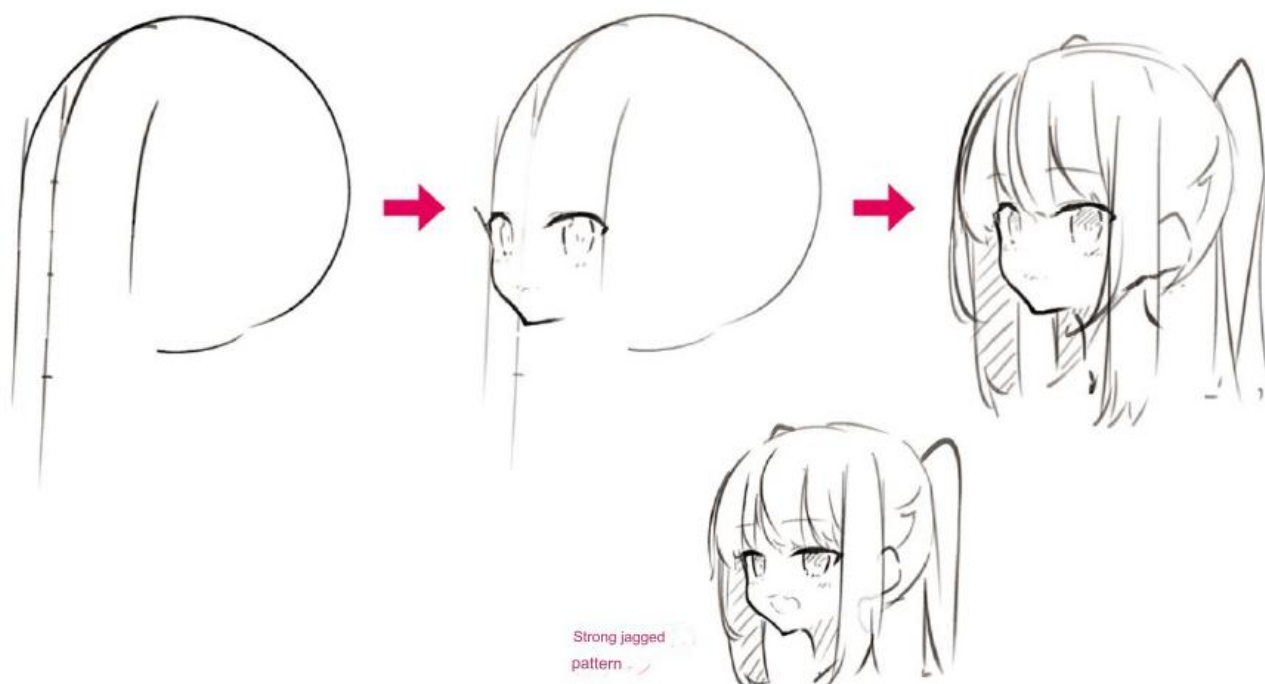


### Jiggle-eyed face

A character with slightly sly eyes. This is an example with the spread of the eyes set to about 80%. Let's draw the shape of the chin based on the one with wide eyes.



Even if the angle changes, the basic drawing method does not change.



## About eyes and pupils

Here, we will introduce various patterns for eyes and pupils.

## eye shape

I will introduce the pattern of the shape of the pupil.



symmetrical ellipse



egg shape



inverted egg shape



正円



distorted ellipse



square

## light in eyes

I will introduce the pattern of the light (highlight) put into the pupil.



Horizontal oval (left)



Horizontal oval (right)



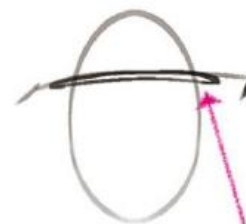
sharpen (left)



big 光



light in the middle



Thin light that matches the eyelash line.



## Width of pupil

Let's take a look at the width of the pupil.

The width of the A pupil itself is narrow, and the width is wide because the B pupil is large.

The drawing method is slightly different, but the impression it gives can be understood by looking at the width

of the whites of the eyes. In A, the width of the white of the eye appears wider than in B. This gives B a more youthful impression.

When drawing the eyes, use the white space of the eyes as a reference.



A



B



C

C the seven thousand

D pupils

For the eyes in C, the edges are made thicker (coloring is also possible) to give the eyes a stronger impression than the eyelashes.

If the border is thin, it will be difficult to see your eyes.

If you want people to see other areas than the eyes, make the edges thinner.

There is also

The pupil of D is also very cute with a thick border, giving it a pop feeling. It's cute even if the thickness of the border of the pupil is medium.

## eye pattern

We will introduce eye patterns including pupils that can be used in various situations. Also pay attention to the eyelash pattern.



drooping eyes



drooping eyes



Eyelashes that follow the arrow line are also cute. When deciding how to draw eyes in this way, it is good to be conscious of the line.



A pattern that thins the eyelashes of the eye above. Thinning the eyelashes will make the impression thinner. If the pattern is not drawn too much, it will be cute. Since the eyelashes are thin, it is difficult to deceive



Regular spread



normal eyes



thin

thick

thick

Thin the left side of the eyelashes and make thicker eyelashes in the middle and at the outer corner of the eye. Eyelashes give a different impression, so set the thickness to some extent as "thin, medium, and thick." This will make it easier to draw eyelashes that are "thin, thick, and thin," or "thick, medium, and thin."



two-page spread



Jite eyes

The impression of eyelashes is "thick, medium, thin" from the left



A pattern with narrowed

pupils and pupils



A pattern with splashes added to the

eyelashes. Made the rims of the eyes thicker



Pattern with reduced splash

and thicker pattern

## How to arrange eyelashes

I will introduce the idea of arranging eyelashes.



normal eyelashes



How to draw eyelashes from above. The sense of design becomes stronger, but the impression tends to be weaker because the eyelashes are shaved.



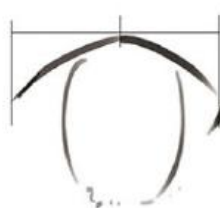
How to draw eyelashes under the eyelashes, in the eyes The impression of the eyes is large because it is drawn in the form of covering lower down. Very suitable for Fukun's illustration

## How to draw eyelashes according to the direction of the face

I will introduce how to draw eyelashes according to the direction of the face.



By making the face slanted, the way the eyes are drawn becomes more distinctive. Drawn based on 30% : 70% width of eyelashes



eyes when viewed from the front. The width of the left and right eyelashes is set to 50% 50% for easy understanding.



Eyes when viewed from an angle. The left and right width of the eyelashes simply changes. Left 30% Right 70%



sideways eyes

If you want to draw slanted eyes, apply the sideways eyes as explained on P.66-67. Even if you draw diagonally, the position of the lower eyelid will be slightly affected, so keep that in mind when drawing.

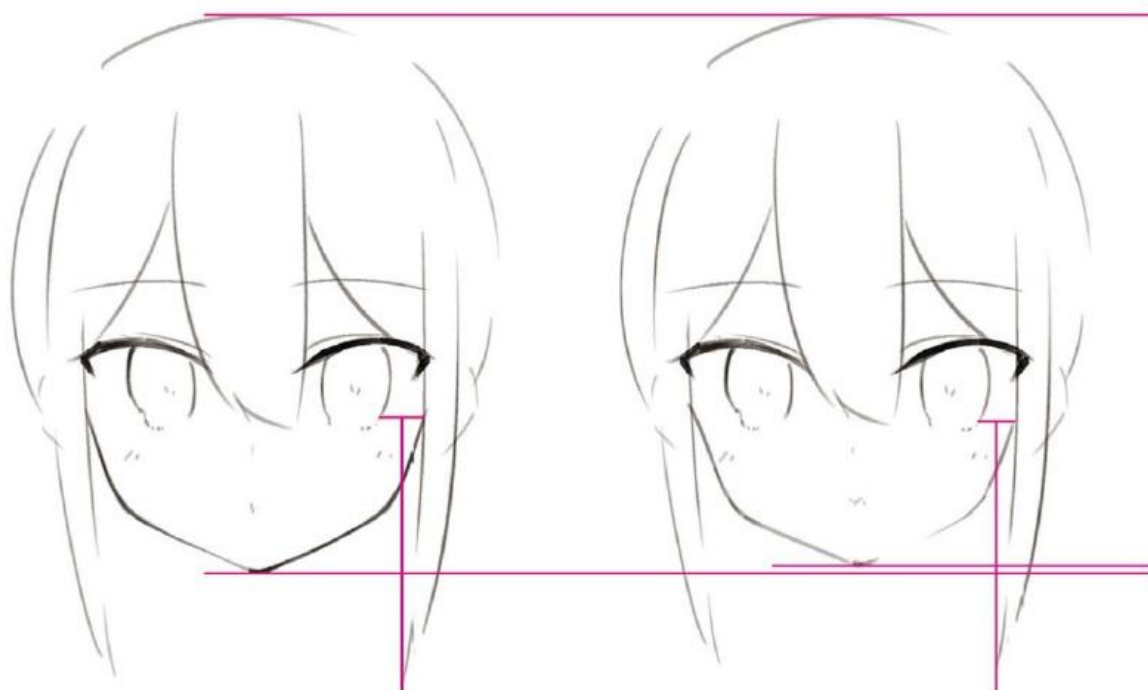


f

Draw eyelashes according to the direction of the face and eyes. Since you are facing the left side of the screen, draw the eyelashes so that they grow toward the left side.

## Pattern adjustment method

I will show you how to re-draw the outline and adjust the pattern. The illustrations on the left and right below are outlines that were often seen until around the 2010s. On the corner of the eye, please compare the length of the red horizontal line between the illustrations on the left and right. The one on the left is longer, and the illustration on the right is shorter. With this, you can see that the length of the red vertical line extending from the eye to the chin varies. Due to this difference, the right side looks a little younger than the left side. In addition, this difference affects the appearance when the face is tilted.



Look at the left and right illustrations below. There is a jaw line at the tip of the arrow. Due to these differences, the illustration on the left has a large chin width similar to the illustration on the upper left, so the chin is not shaved. It will be a lie expression for a cute illustration. In the illustration on the right, the top of the cheekbones is shaved to make them look realistic. It is cute even if the degree of shaving on the cheekbones is somewhere between the left and right illustrations. It is very important to adjust the outline according to the pattern.





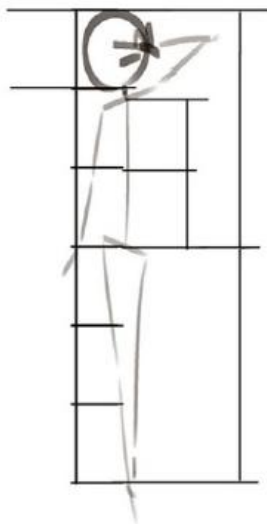
## COLUMN

## draw cute stickman

When I decide the rough composition and pose, I sometimes solidify the image with a stick figure. By drawing the balance (proportion) of the stick figure neatly, it is very convenient to be able to do trial and error, such as poses, in a simple and short time.

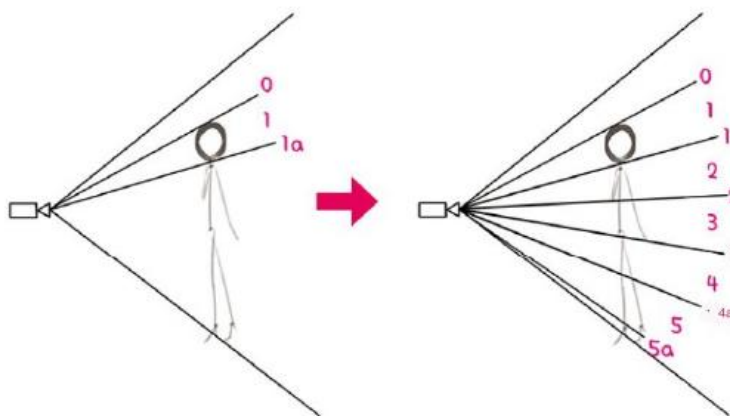
## set the right ratio

I like characters with long legs, so the top of the head  
The ratio is "point ~ crotch = crotch ~ ankle". It's okay  
if it's abstract, such as "below the ribs = elbow" and  
"crotch = wrist", so I drew it with the proportions. This is  
not necessarily the correct answer because the balance  
changes depending on age and pattern. Adjust the  
head and body to draw. This time it's 6 heads.



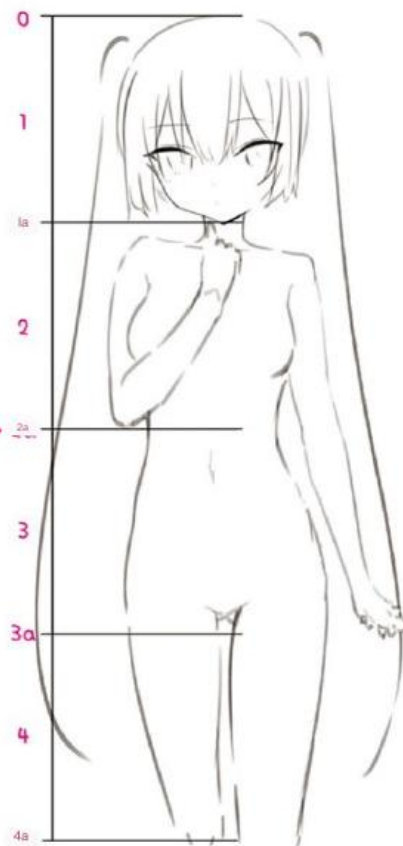
## Draw an illustration from a stickman

When drawing an illustration from a stick figure, it will be the angle of view of a standard camera (approximately 70-80 degrees). The angle of view of the camera will be explained on the next page. By moving the camera up and down, you can easily create an illustration of a long-haired man.



This time, 6 stick figures are set. Assuming that the camera is in front of you, draw two lines from the camera along the face. Copy and paste the two lines and shift the angle from the camera lens

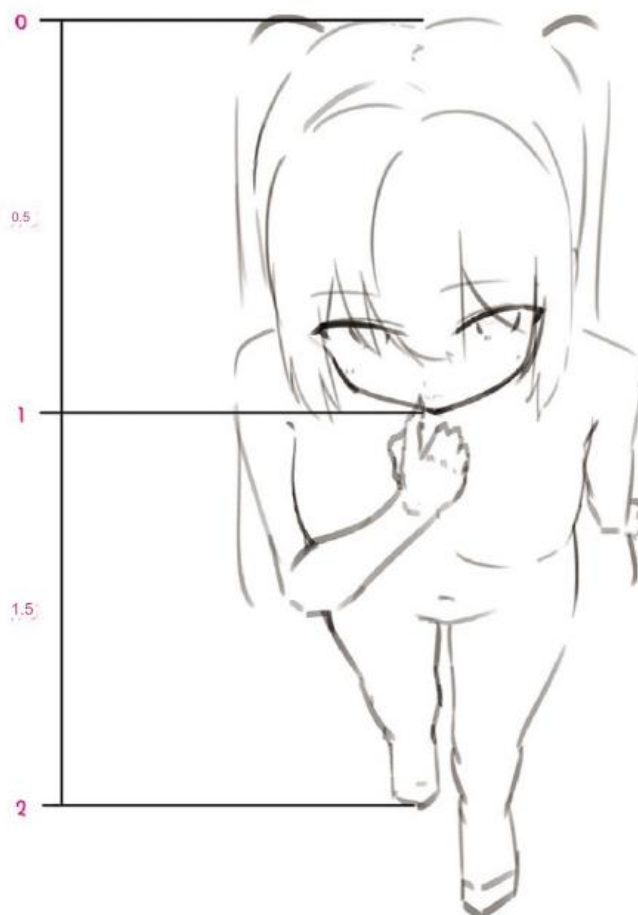
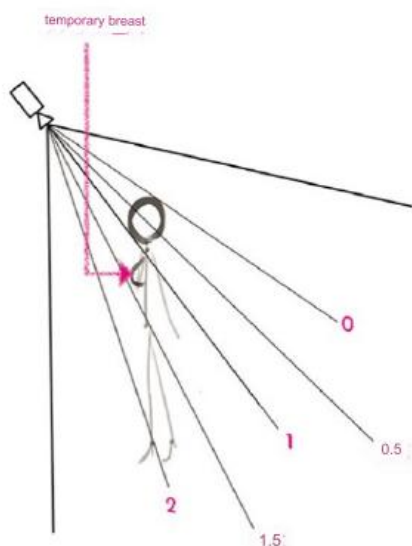
This time, the position of the camera is below the ribs, so the upper part of the ribs (clavicle) is tilted. Lower than that becomes a hook. The shoulder is slightly below 1a. Line 2a touches both elbows and the middle of the torso. There is a forearm from 2a to 3a, and the wrist is in the 2/3 position. The crotch is slightly above 3a.



I create illustrations based on stick figures. It is very cute and easy to draw if you pay attention to the ratio.

## When camera work is changed

I set the camera work (camera position) upwards and made it a flat composition. This will change the ratio. This time, in order to put together two heads and bodies, I put a break in 0.5 heads and bodies. Looking at the figure below, the left hand is around 1.25, the crotch is slightly below 1.5, and the tip of the right foot is around 2.



## About the angle of view of the camera

I will briefly introduce the angle of view of the camera. The figure

It's a message.

below shows the angle of view when the camera is viewed from above.

Adjust the distance accordingly. The combination of the angle of view and the sense of distance to the subject gives the image.

The impression is different. I hope this gives you a rough sense of the distance between the camera and the subject. As it approaches the angle of view of E, it becomes flat and the depth disappears.

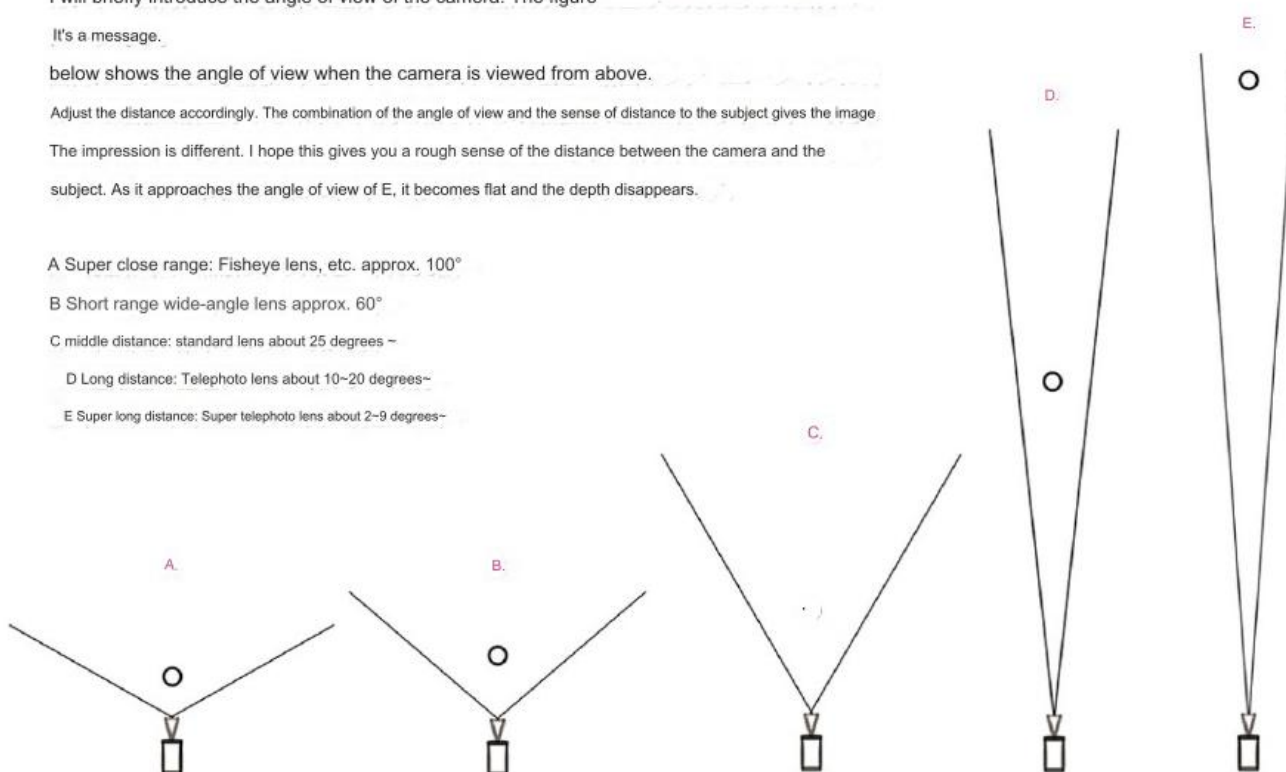
A Super close range: Fisheye lens, etc. approx. 100°

B Short range wide-angle lens approx. 60°

C middle distance: standard lens about 25 degrees ~

D Long distance: Telephoto lens about 10~20 degrees~

E Super long distance: Super telephoto lens about 2~9 degrees~



## COLUMN

## Match your hairstyle to your outfit and character

The combination of hairstyle and clothes is important in creating a character. Here, the hairstyle is super long and childish, with droopy eyes and a shy bow. With the theme of Zu, only the clothes are changed. Cuteness comes out all over, and it is an appearance that strengthens the gentle image.

## one piece

I wore a simple dress. The skirt is cute, so it turned out to be a very cute illustration without feeling out of place.



## sleeveless + shorts

I tried to wear clothes that give a strong boyish impression.

This is also cute, but if anything, it's an outfit I'd like to wear on a lively child. Dressing up with accessories will make her look cute, but her hairstyle doesn't suit her as it is. Hair is also an element that expresses personality, so it will be very cute if you match it with your clothes.







# Chapter 2

## hairstyle arrangement

Here, we will explain how to arrange hairstyles that strongly affect the personality of the character. We will introduce points on how to draw when using tied hairstyles such as twintails and ponytails, elements that are different from humans such as animal ears and horns, and items such as hairpins and mufflers.

## 01

## tied hair idea

In addition to adding length and curls to the hair, you can also arrange it in various ways by tying it.

## knotted hair structure

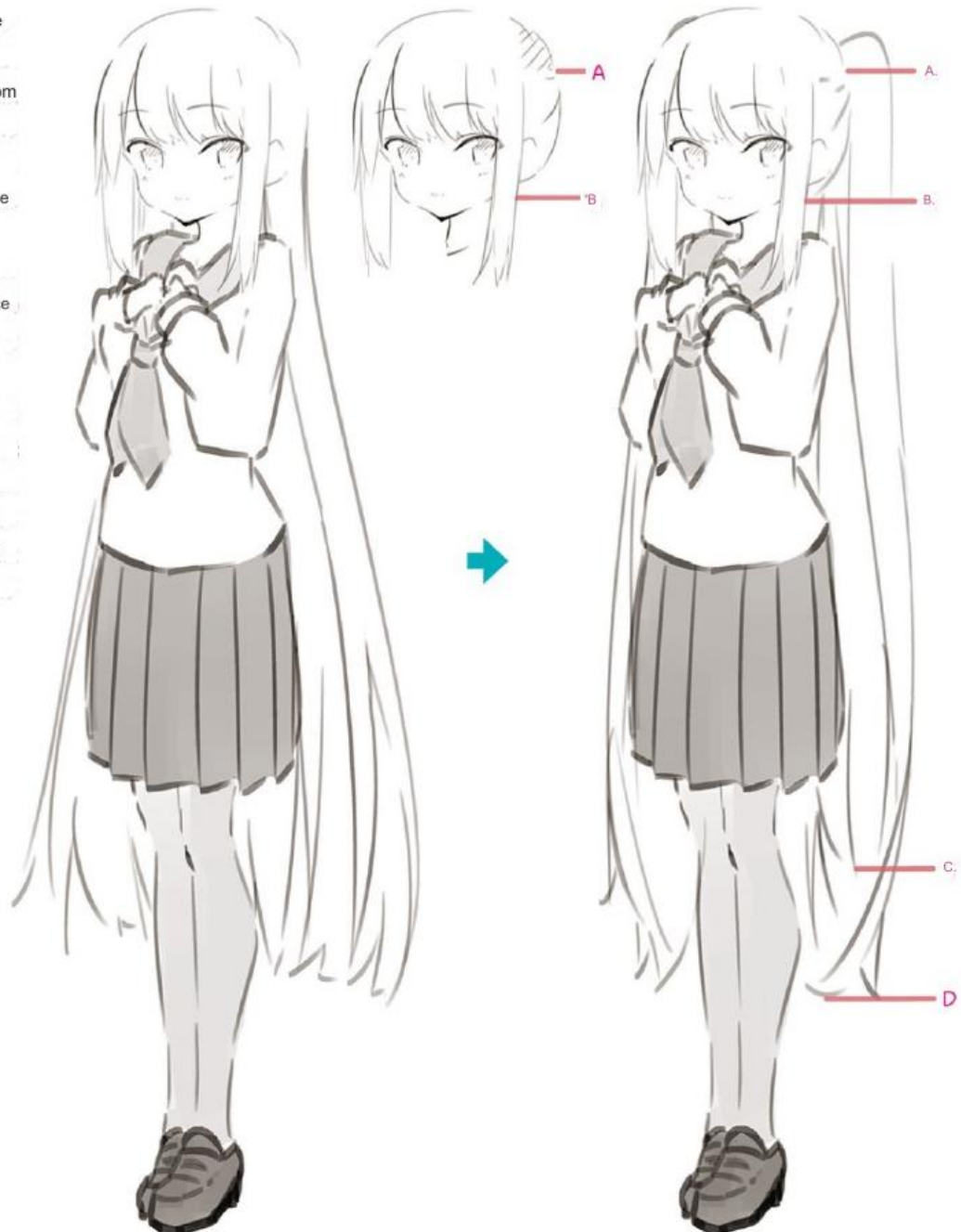
When the hair is tied up, the hair is lifted up by that amount, and the recoil of the tie causes the hair to warp, resulting in variations. patsun hair

Since it is easy to understand, I will introduce it as an example.

## | tied hair length

The figure on the right is an example of long patsun hair with twin tails. Since the hair is not lifted from the top of the head to A tied with a hair elastic (around the diagonal line in the middle figure), the length is approximately

D. A hair lifted from B is calculated by subtracting the distance from B to A from D, giving a length of approximately C. Since the difference in distance from A to B appears on CD, it will look cute if there is a tip between C and D. Simply put, B's hair will be around C. The height of the downed hair changes depending on how it is tied up.



## amount of hair when tied

It will be the range where E is bound with a hair elastic or the like.

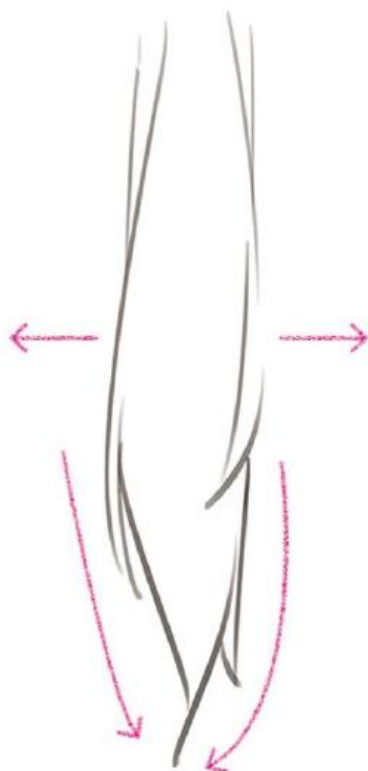
The amount of hair decreases in the order of  $H > G > F > E$ . Let's put on the idea that the hair is concentrated where it is tied.



The figure below shows the tip of the tied hair bundle. The tip of the hair will be thinner according to the explanation above. The arrows that spread horizontally are the hair that hangs down from around the FG. Applying it to hair such as a ponytail or twintails on the side will increase the realism. It's important to say that it's cute when you spread it out, but it's also very important to understand the essence of why it's cute when you spread it out.

It's important.

In addition to the tied hair, you can also spread out and draw the hair that is just down in a similar way.





## 02

## how to draw tied hair

I introduced some hairstyles that were tied up in Chapter 1, but here I will explain how to draw them in more detail.

I will take a closer look.

## twin tail

Twintails are hair tied in two tails. Various expressions can be made depending on the position of tying and tying. Here, we will introduce four of them.

First, let's look at the difference in how the twintails are drawn at the and

▲ positions.

## Position of ●

The figure below shows the position of the twintails when viewed from above. ● is the general position of twin tails.

When viewed from the front, you can see that there are diagonal twintails (tied hair). The impression when viewed from the front is weak, but the impression when viewed from an angle is great.

It will be a cute position.

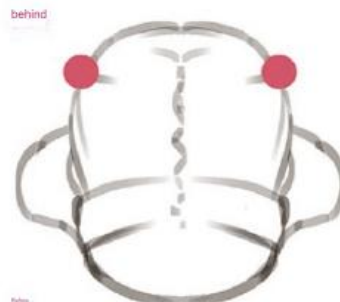


Image tied in this part



## Position of ▲

When viewed from above, there are twin tails around the side of the head. There are twin tails around the side of the head even when viewed from the front. The impression given when viewed from the front is strong, and the impression given is weaker than when viewed from an oblique position. It can be said that it is a slightly special hairstyle.



Next, let's take a look at the twintails marked ◆ and ■ in the right figure. Compared to the left page, this pattern is tied at a lower position. Expression in the front and back position is important, but you can express various hair by adding up and down changes. Please tie up your hair cutely.



## ◆ position

These twintails are not like pigtails, nor do they look like normal twintails. It is positioned below the twintails on the left page, giving it a calm impression. By thinning the twintails and letting the hair down, it becomes a gentle half-twintail.



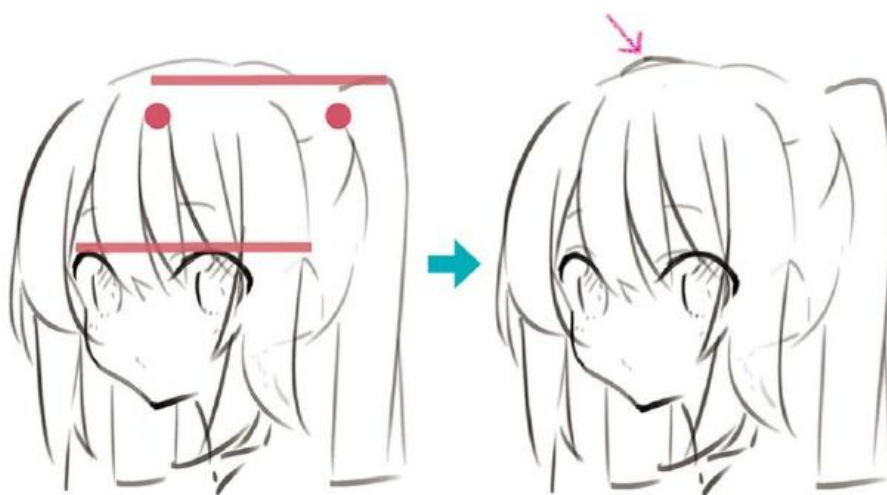
## ■ position

Pigtails twintails. Pigtails can be said to be a hairstyle that greatly changes the impression of the character's personality depending on whether the hair that is tied up is thick or thin. Braids (p.88) can also be used as hair ties.



## A lie unique to illustration

Twintails are a cute illustration when you can see the two tied-up hairs. For example, in the left figure, the hairline and height do not reach the reference point, so only hanging hair can be seen. It's Ali who shows you a little bit. The arrow part is the expression when you lie. This kind of expression will bring out the goodness of the twintails. If you don't want to lie, you can also raise the height of the tied hair on the right side. The idea is that the illustration should be cute, so you can draw it however you like.

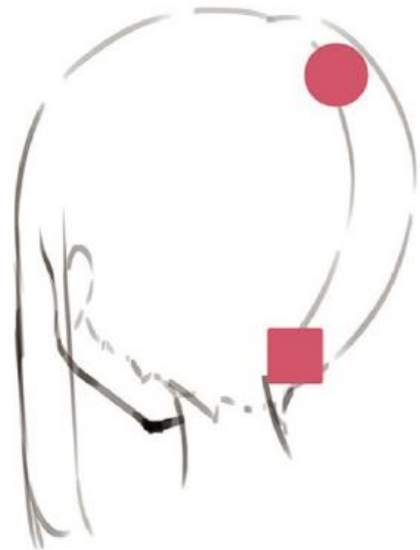


## ponytail

Unlike twin tails, it is a hairstyle that ties the hair at the back in one place instead of two. Since the expression method changes depending on the height difference, I will introduce the position of ■.

## ● position

A common ponytail will be the position. Gives a strong impression of good health. It is a very easy-to-use hairstyle that gives both cuteness and vitality. Since it is a hairstyle that uses the entire back hair, the amount of hair to be tied is doubled compared to twintails. When viewed from the front, you can see a little of the hair that is tied up behind. Draw so that you can see the hair on the back of the neck as well. The left and right sides are a little lonely, so you can make them look cute by adding accessories and large hair clips, as well as movement. When viewed from an angle, the loneliness on the left and right disappears, unlike when viewed from the front. However, since the area under the chin becomes dull, it is also a good idea to use a shirt collar, muffler, hoodie, etc. to thicken the neck. Also, the nape of the neck cannot be seen depending on the length of the side hair.



## ■ 1 position

A pattern that is tied and tied at a lower position than ●. It's an image of simply tying up for work such as cooking rather than dressing up to show off to others. It gives a strong impression of homely and gentle. There is also the image of tying them down for light exercise. When viewed from the front, the impression is very weak, and only the hair on the back of the neck is visible. When viewed from an angle, the nape disappears, but the hair looks cute.



## POINT

The figure below shows how to tie the ponytail at the position of ■ in a way that follows the arrow and has a strong droop. It is a hairstyle that changes the impression depending on how you tie it.





## side tail

A hairstyle in which the back hair is tied on the side of the head. The hair looks distinctive even when viewed from the front, and is used when you want to create a different hairstyle.

Gives a strong impression of good health. For young girls, it will be around the shoulders. The super long hair unique to the character is very cute. By adding waves or changing the thickness, you can expand the range of expression. For bangs, rather than patsun, M-shaped parting and seven-three parting are very suitable.

### left side position

When viewed from an angle, you can see that the side tails are large at this angle. Impressive and very cute.



### right position

A pattern with side tails on the opposite side of the above image. At this angle, there are many parts that are hidden by the head, so the impression is weak. If you want to emphasize the impression of the head with items such as headbands and earrings, it is a good idea to place the side tails on the back side.

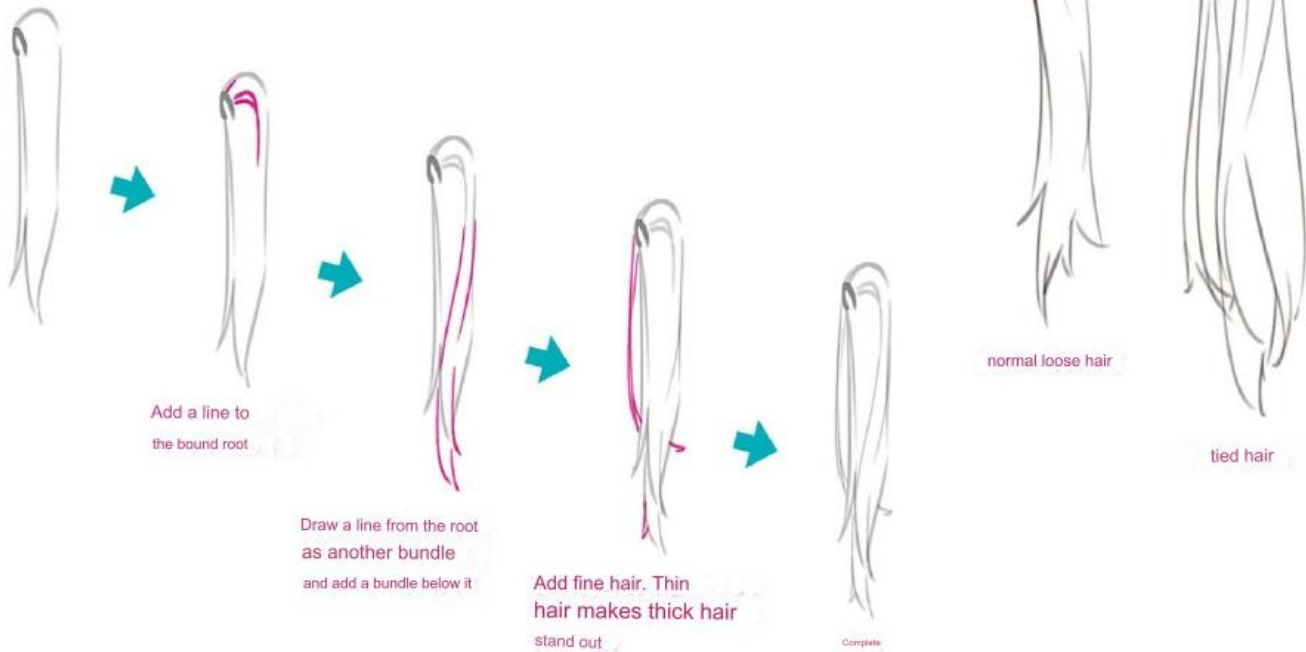


## Processing when tying and tying

The picture on the right shows the difference between normal loose hair and tied hair. By tying and tying, you can change the way you draw hair.

It will change, so let's see.

The figure below is an example of how to draw tied and tied hair.



## Difference in drawing twin tails

The left of the right figure is the difference without drawing the twin tails, and the right is the difference with drawing. By increasing the amount of drawing, the flow of hair and the line of sight can be focused on the twintails. It is very good to draw fine hair with line drawing.



## Difference with simple twintails and lines added

The left side of the right figure is a twin tail with little drawing, the right side is the difference with a few lines. The lines indicated by the arrows are important, and adding bulges makes them prettier.



## The feeling and thickness of tied hair

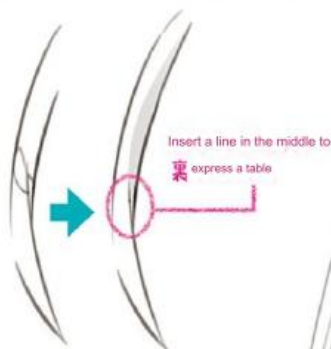
Tied hair is expressed in such a way that the part where it is tied is thin, and the hair spreads as it joins the ends of the hair. When drawing like the one on the right, it is important to determine the feeling of bunching from the ground up.

It will be easier to draw with . Also,

when drawing lines, you can create a three-dimensional effect by keeping in mind the thickness of the hair.

### thin thickness

It is an expression method that cuts the front and back in the middle.



### intersecting expressions

I drew the hair on the back side with an expression that intersects. Changing the thickness of the line makes it easier to understand the meaning of the line.



### larger thickness

I drew the thick hair vertically and wide. There is a step on the way, so I added a line drawing that leads to it.



Just a bunch of excerpts. By being conscious of the cross-sectional view, it becomes easier to understand how to draw the hair, and by thinking about the thickness when drawing, it can be seen that the amount of line drawing is reduced.

### hair cross section



When drawing lines, be aware of the influence of thickness.

### wraparound expression

The part of the arrow is the hair that wraps around.

Here, the line drawing expresses the thickness. Although it is thick, there are places where the tips of the hair are sharp, so I try to draw in the line drawings for those places.



Hair that rolls back. Three-dimensional effect and thickness can be expressed.



## knitting

Here, we will introduce expressions for knitting.

## Front braid

Braid braids made from three strands of hair have a front and a back. In the front braid, the left and right hair bundles are alternately put into the center from the front side and braided. Also, when tying braids, there are two methods: the quick method, which allows you to braid quickly, and the method, which braids tightly from the root. There are also special types of knitting, such as 4- to 7-strand knitting.



## back braid

Back braids are the opposite of front braids, in which the left and right hair bundles are alternately woven from the back side to the center. If you draw this with an illustration, it will stand out from the rest and attract more attention.



## Front Braid Round Shape

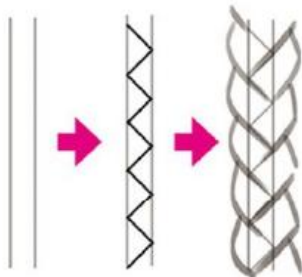
It is a knitting method in which front knitting and back knitting are repeated alternately. Crossed tresses look different on the front and back.

Figure seen from the table



## POINT

I will show you how to draw a simple braid. First, draw two equal left and right vertical lines. Then add even zigzag lines. Add the ridges of the hair and you are done.



In the case of tilting and Huang, let's draw with depth.



## front braid fishbone

Derived from fish and bone. It is a method of weaving fine meshes like fish bones. It takes a long time to weave to take out the hair bundles finely. I would be happy if the knowledge that there is such a knitting method spreads.



## Rope knitting (right)

Rope braid is basically a braid in which two strands of hair are twisted. Three rope braids I will.



### Front Braid Arrangement

A technique in which three strands of hair are used: thick, medium and thin. Knitting is not difficult, so let's know it as one of the expressions that is no different from ordinary braids.



### braid round arrangement

It is a method of weaving three bundles of hair, thin, thick, and thin, in the same shape as the round shape.



### Front braid Kuzushi

This is a method of adding untwists instead of making braids or rope braids look beautiful as they are. Blending it in and adding movement will make it look cute.



### braid application 1

It is a hairstyle that separates the side hair and the back hair with a braid. This is a simple application of braids.

If you add a braid, the basics will be plain, but by using the braid locally without tying the long down hair, you can create a beautiful feeling and make the most of it.

local weave



### braid application 2

A hairstyle that twists the top and sides of the hair around the animal ear hair and braids the part below it. This illustration breaks down the idea that "There is hair like this here, so there is no braiding here."

Let's think about various applications and create new hairstyles.



## 03

## Width of hair expression

There are infinite ways to express hairstyles other than tying. Here we introduce various ways to express I will continue.

## expression showing ears

Here, we will introduce an expression in which the side hair is thin so that the ears can be seen.

## front

By thinning the side hair, the cuteness of showing the ears is born. Also, it is characterized that the back hair looks big on both the left and right.



## diagonal

Almost all of the ears are visible in the oblique composition. Thinning the hair at the temples makes the hair at the back look bigger. The hairline becomes visible next to the ears, and the benefits of sticking out the ears become stronger.



## Oblique tilt near the front

Unlike the slanted composition, the slanting makes the ears appear even more and makes the hairline appear larger. If you pay attention to the side hair when tilting, you can see that the hair is pulled down from above.



## beside

Makes your ears look bigger. If you have an image of what it looks like from the side, it will be easier to visualize when drawing from other angles.





## How to draw when the ears are visible or invisible

Whether you show your ears or not, each has its own charm. Here, using the twin-tail hairstyle as an example, I will repaint A's expression where her ears are not visible (the part circled) and introduce some differences that show her ears.

### A If you can't see your ears

It's an expression you can't hear. Make the side hair thicker and bring the back hair forward a little.

Come on and cover your ears. It's an undeniably cute hairstyle.



### B If you can see your ears

How to draw side hair to the back. This is the basic process of putting out ears. Since it is brought to the side of the tied hair, the short hair will protrude slightly from the twintails. Of course, you don't have to draw it, but please keep in mind that there are ways to do this.



### C If you want to make your hairline look smaller

How to draw with a little side hair to make the hairline look less. This also uses side hair, so hair grows in twin tails. This is a process in which the ears are visible and the hairline is filled with the bangs. Not only does the hair hang over the ears, but the bangs also come out, making it cute.



### ① Make the ears invisible with a

braid Braid the hair on the bottom left and bring it to the back. hairpin By arranging a few striking objects, such as hair ties, hair ties, and braids, the line of sight is drawn above the ears. The perception is stronger that the hair here is moving back.



## elf ear hair

Let's take a look at processing the hair of a character with elf ears. Here, we will introduce general elf ears and high elf ears. Demons and half elves have an image of slightly shorter ears. Also, when drawing characters with angel wings growing out of their ears, it is necessary to pay attention to the points introduced here.

## front

When viewed from the front, it does not affect the hair much. Let's draw as before, just with longer ears.



## diagonal

The hair on the temple inside the ear (on the face side) does not cover the ear, and the side hair above the ear touches the ear and is mixed with the hair behind. Unlike human ears, long ears cannot be covered with hair no matter how much hair there is.



## Oblique tilt near the front

Unlike the picture on the upper right, this hairstyle brings the hair on the side of the ear forward. You can see the ear on the back side, which was difficult to see in the upper right figure. The hair is parted in front of and behind the ears on both the front and back ears. In particular, the impression of a character with elf ears changes considerably depending on whether or not there is a gap under the ear on the back side.



## Front (front part)

A hairstyle suitable for mature and beautiful elves. Instead of neatly parting your hair in front, if you part your hair in a natural way so that it scatters, it will be a hairstyle that suits you very well as an elf. Elves are often associated with beautiful faces, so a fantastic hairstyle or a hairstyle that cannot be imitated by others will suit them very well.



## animal ear hair

I will explain about the hair of characters with animal ears.

### forward-facing ear pattern

If you draw the bushy animal ears above the side hair, it will look cute. This should only be used in patterns where the ears are facing forward.

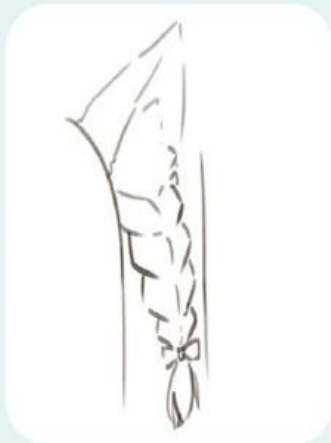


### Pattern with ears facing sideways

It is a pattern with animal ears facing sideways. If there is a line on the top of the ear, the ear can be divided by the line, making it easier to paint. However, the fluffy feeling will fade. Therefore, by intentionally erasing the lines on the top of the ears and drawing in a way that the jagged lines of the arrows are not visible, the fluffy feeling will be enhanced.

#### ① There is also a pattern that draws

the hair in the ear as a braid. For example, the idea is to use the hair of a character with animal ears, such as a long-haired cat, to make a braid.





## horns and hair

In the case of characters with horns, such as characters with demons and devils as motifs, it is necessary to consider the relationship between hair and horns when drawing.

## the corner in the middle of the bangs

One of the most common corner expressions. When the bangs have horns, the hair is parted by the horns. The hair is divided into left and right sides, but it should not be split evenly.



## Left and right corners of bangs

A pattern with horns on either the left or right side of the forehead, or both. It is a shape in which the hair in the bangs is parted. It is very cute that the hair with the curved arrow is growing from the corner.

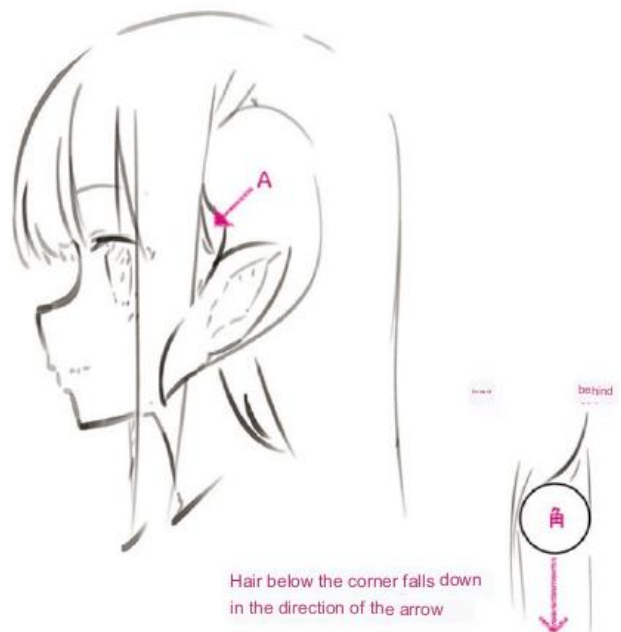


## Horns other than bangs

This pattern has straight corners. As an illustration, it will be cuter if the hair is brought forward, so unlike the above illustration, the hairstyle is not halved, but 80% or more forward. It's cute even if you lie a little as an illustration expression.



The figure below shows a side view. Because of the ears, A's hair flows backwards.



Hair below the corner falls down in the direction of the arrow

## curly hair

There are various shapes of horns, but as an example on the right, I drew a horn that extends sideways, and hung the hair on it. It's good to let a part of the hair hang down, but it's also possible to add character by adding a part of the back hair, bangs, and side hair to the corners.

This illustration has horns, so it looks a little inhuman, but the hair hanging on the horns makes it more mysterious. Add beauty or emphasize sexiness with composition and poses that match the image you want to draw here.



## wrap one's side hair around a corner

The figure on the right is an example where the vertical width of the hair up to the corner is smaller than in the figure above. This is because the hairline is on the lower side compared to the above picture, so the vertical width is naturally longer. Since the side hair was set long, I also extended the hair on the corners. In addition, the above image looks natural even if the vertical width is longer than this, so it will be cute even if you adjust it according to the composition, so it is recommended.



## hairpin

I will introduce a pattern of barrette using a hairpin.

## roll up a bunch of bangs

This is how to fasten the hairpin that wraps around the bangs. The hairpin is pulling the hair to the top of the side hair. The hairpin is cute whether you wear it on the left or right side, and you can make a strong impression by wearing two or different hairpins on one side.



## put on side hair

There is a hairpin in the side hair, so there is a line of side hair bundles. It is good to attach it to the left and right, but it is also good to draw multiple hairpins on one side as shown below to express the imbalance. In addition, by using the method of lengthening the side hair on the back side, we have created a character with a unique character while maintaining balance.



## Bring part of the bangs and back hair to the back

Tie your hair up with a large hairpin. It is a way to bring a considerable amount of hair to the back. Cute hair with visible ears and coolness becomes a mold.



## Bring part of the front hair to the back hair

It's an expression that isn't used very often, but the fun part about hairpins is thinking about different arrangements like this. Play with your hair however you like. When I see an illustration with such a hairstyle arrangement, I am very attracted to it.





## hair band/scrunchie

I will explain about hair elastics and scrunchies that are used when tying and tying hair.

### hair rubber

The feature of the hair elastic is that it can be tightly wrapped in double or triple layers. Hair ties can be tied securely in any part of the body. Unlike scrunchies, it can be tied tightly, so it can be used above the head.



### scrunchie

A frilly hair tie is called a scrunchie. Unlike hair ties, if you tie them too tightly, the frills will collapse, so you can't wrap them many times. Therefore, it is common to use it for hairstyles that droop as shown below. If you use it with twintails or ponytails tied up at a high position, reducing the amount of hair will increase the realism.



### POINT

In addition to hair, scrunchies can be worn on wrists and ankles. It is an item that can be worn as a fashionable item on the ankle.



## headband/hair band

Headbands and hair bands are belt-shaped items that are worn to keep the hair from being messy. Wearing a headband or hair band basically gives a cute impression. It can also be used as an item to bring out the character, so here are a few.

### Katyusha

A familiar item that is worn by maids. The figure below shows a frilled headband (brim) that wraps side hair all the way to the back. The front and back hair can be divided while leaving the impression of the hair, so it will be a very cute illustration.



### hair band

It is an item that gathers hair on the head. The figure below shows how to draw only the bangs and draw them below the side hair. Side hair looks longer than when not wearing it.



### hair band 2

A hairstyle that brings back a little bangs and side hair at the same time as pulling the hair band behind the ear. You can apply how to draw a headband. Neat and young lady feeling will be stronger. Her hair is cute even if it's shaped like an M.



### hair band 3

A hairstyle that shortens the hair band and brings the side hair a little forward. I arranged the side hair at a rate of about 2 in the front and about 8 in the back.



## wig

Wigs are items that are used temporarily to change hairstyles. It is often used to disguise or change the impression. You can easily change the impression of the original character completely. In addition, wigs that replace the entire hair are omitted from the introduction.

### bun wig

It is a wig with a bun hair and a pin, so it is easy to wear. It has the advantage of giving a Chinese-style impression and being able to easily add dumplings that take time to make.



### Ponytail Wig

A wig that can be easily made into a ponytail. Below is a thick wig.

You can make thick twintails by attaching two of these. As an application, adding a thick wig to normal long hair makes it difficult to see where the hair is coming from, making it suitable for greatly changing the impression.



### Half twin tail wig

A wig for easily making half twin tails. Below is a thin pattern for a bonnytail wig. It's cute even if you put it on only one side. If the wig is not raised up, you can also make braids.



### neckline wig

A wig that allows you to grow your hair by adding it to the neckline. We also have wavy wigs, which will save you time when setting your hair. It is a wig that gives a strong impression because it makes the hair longer. Pin the wig around the line marked with an arrow.





## Scarf

I will introduce the points to draw cute scarves that you want in winter.

## tucked hair

The hair at the position of the arrow is called tucked hair because it looks like it is hidden in a muffler. How to draw this is the key to drawing a cute character with a muffler.



The figure below shows a pattern in which the back hair is inside the muffler. You can't see it from the front, but it's cute if you can see the tucked hair from the sides when you move it. Of course it's cute when you look at it from behind. I like this process because the hair comes out under the muffler and gives a tail feeling.



## plump curly hair

It is an expression that makes the hair that follows the arrow to the muffler fuller. If you tie the muffler softly, it will be even more cute. If you make it plump, the roundness will appear and the cuteness will stand out. The soft expression makes it suitable for cute, easy-going characters.



## I brought my hair to the front

If you have medium-long hair or longer, you can wrap your hair around the back and bring it in front of your shoulders. The hair is not pulled out under the muffler introduced above, but brought to the bangs to give a stronger impression from the front. As the amount of hair increases, the range of expression naturally increases. Compared to the left, it suits a more mature character.



## hoodie hood

Here are some treatments for the hoodie and hair on the hoodie.

### bring back hair forward

This is a way to draw all the back hair forward when wearing a hoodie. It will make you feel more fashionable. I personally think that if your hair is wavy, it will treat your hair even better.



### cat ear hoodie

A pattern with a hoodie that looks like cat ears on the top of the hood. The figure below is an example of passing the twintail hair through the cat ear hole. While keeping the goodness of the twintails alive, the special treatment that pulls out the hair from the cat ears catches the eye. The ear orientation in the diagram below is sideways, but it would be nice to have it facing forward or backward.



### hood is cut open

A pattern in which the lower part of the hood is cut open. Even if you have super long hair, you can express the momentum of the flowing hair. Since the hair is not tucked into the clothes, it is a hood that does not make you feel stuffy and you do not need to re-arrange your hair. You can also draw without hiding the hair, expanding the range of expression.



## COLUMN

## Ahoge\_

Ahoge has characteristic hair on the top of the head. If you add movement or have a motion that matches the expression, it will be very cute. Even if the face is expressionless, it is also possible to make a character that shows emotion in the ahoge. This time, I will introduce some variations based on the standard ahoge on the right.



An image of being surprised, finding something, or hearing something. By making her eyes sparkle and raising her ahoge, her expression changes are even more flavorful. With this hairstyle, the left and right side of the ahoge becomes lonely, so be careful.



Ahoge shaped like thunder. This is also an image to use when you have an epiphany.



The image of ahoge used when you are interested in something. By rocking left and right, you can strongly give the impression that you are interested in the other person.



The image of ahoge when there is favor. Ahoge moves like it's spinning. Because the movement is large, it becomes a very cute ahoge. Pay attention to the length of the ahoge when moving



An image of ahoge when in a bad mood. Twirl your hair. Becomes ahoge that doesn't move much

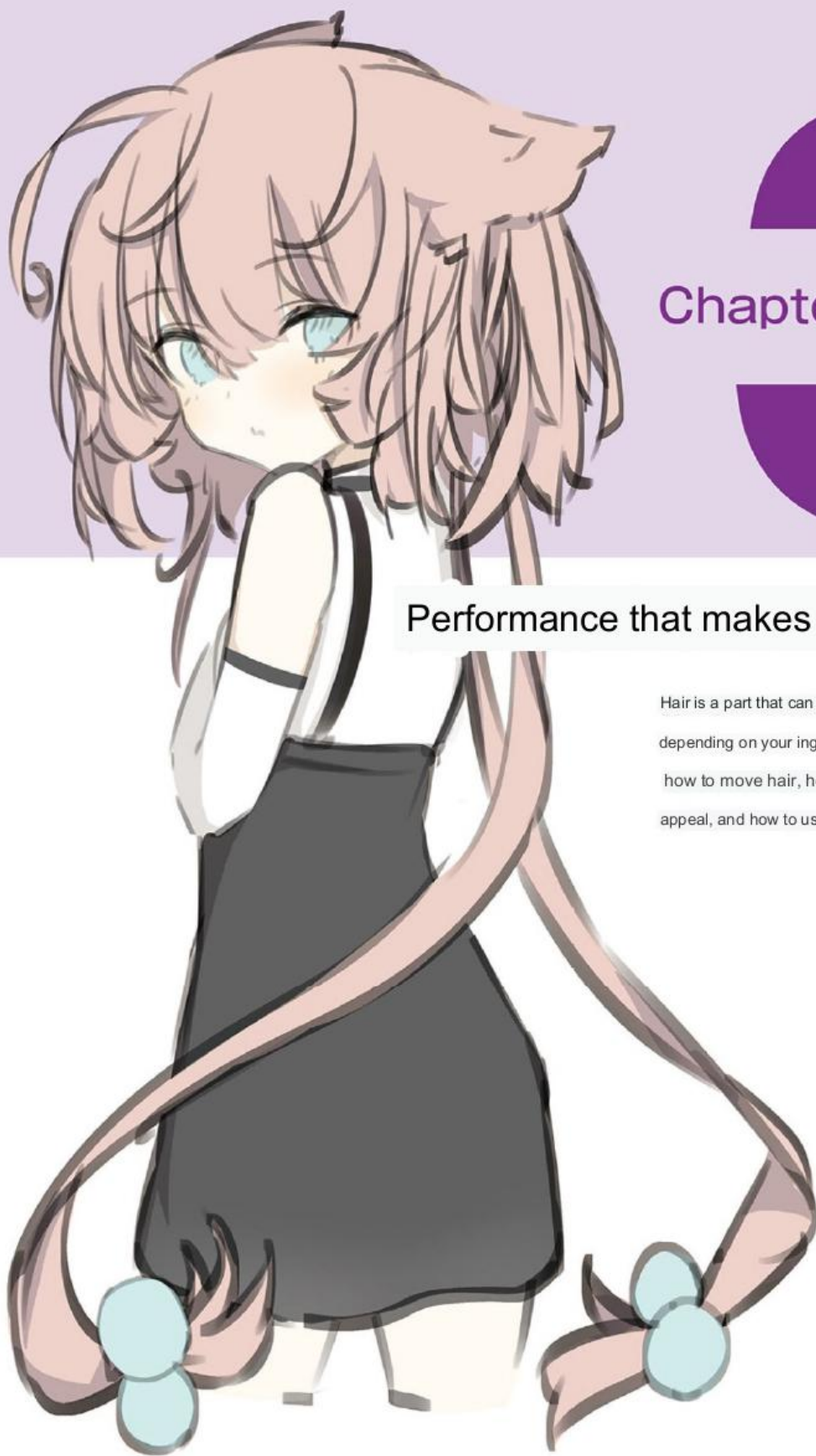


The image of ahoge when you are worried. Round and round. Even if you add animation-like movements, it will be cute



An image of a heart-shaped ahoge. Used when talking to someone you like





# Chapter 3

## Performance that makes the most of hair

Hair is a part that can be used in a variety of ways depending on your ingenuity. Here, we will explain how to move hair, how to use hair to create sex appeal, and how to use hair with expanded ideas.

## 01

Production of hair softness<sub>1</sub>

Girls' hair can produce cuteness and sexiness due to its softness. Basically, soft hair is drawn with lines that look like "one loose, rounded line". Here, I will introduce GOOD (good examples) and not so good examples side by side.

## Tips for softness

The trick to drawing soft, flowing hair is to draw a natural bulge with a single line.

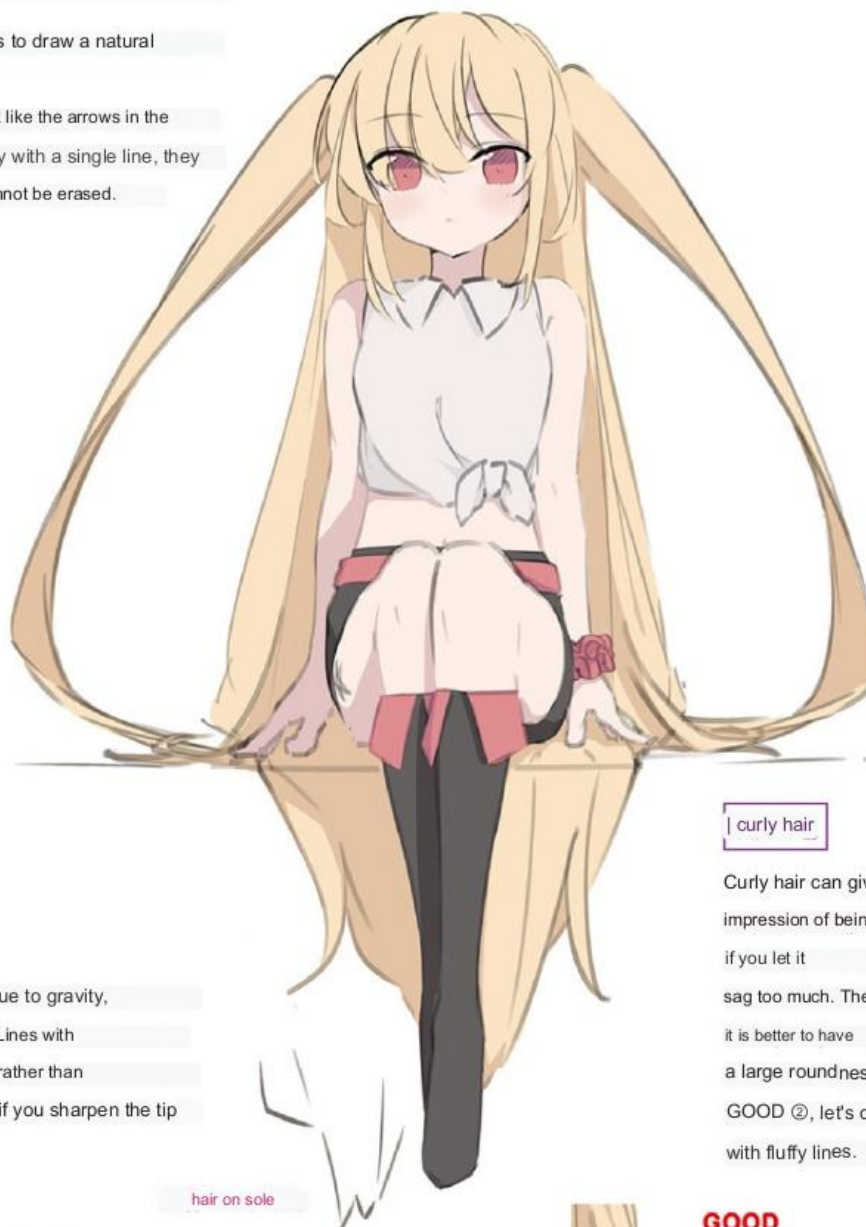
If there are two parts that swell and break like the arrows in the example, even if they are drawn neatly with a single line, they will still be soft, but the unnaturalness cannot be erased.

Not good



There are two places where it swells and breaks

GOOD



## |Falling hair

Similarly, for hair that is falling down due to gravity, consider curling it to make it look softer. Lines with sharply changing angles or double lines, rather than rounded lines, create hardness. Also, if you sharpen the tip of the hair, it will look stiff.

Not good



sudden change in angle



sharp bristles

GOOD



hair on sole

Not good



Impression that it is damaged by making it too fluffy



GOOD



GOOD



A pattern that gives a three-dimensional effect while making it fluffy



## Comparison of front and oblique faces

We will compare how to draw the hair on the front and diagonal faces. For the not so good example, I drew it while being aware of the stiff hair on purpose.

### front face

The thickness of the bangs is uniform, and the ends of the hair  
If you add too many straight lines, it  
will give a stiff impression. This means that  
it does not look soft because it is  
regular rather than natural.

Therefore, conscious of thin and thick hair bundles  
The softness is produced by drawing and  
rounding the ends of the hair.

GOOD has a lot of uneven hair  
compared to GOOD, so it looks more  
natural.

Not good



The thickness of the tufts is uniform and the tips are sharp,  
giving a hard impression.

GOOD



round the ends of the hair

### oblique face

To make it look soft, it is also effective to curl your hair with wavy or curly hair. The waves make the curve stronger, making it  
soft and round and cute. It is important not

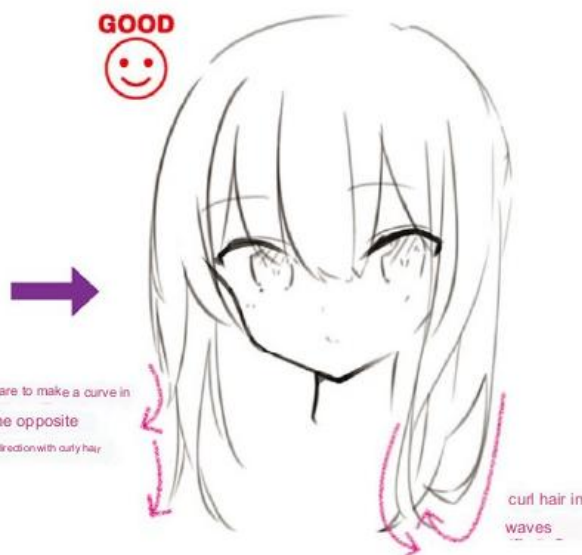
only to draw the hair bundles and how to part them, but also to make the curves uneven and separate, so keep that in mind.

Not good



An example where the thickness of the hair  
tufts is uneven and the ends of the hair are rounded,  
but the direction of the hair curves is uniform.

GOOD



Dare to make a curve in  
the opposite  
direction with curly hair

curl hair in  
waves



What I'm introducing here is just a tip that I'm usually  
conscious of. With this way of thinking as a starting point, let's take  
a deep look at the drawing methods of various illustrators  
and use them as references.

### POINT

If you want to dare to produce stiff hair, it is not good  
It is effective to be aware of the method of



## Movement of hair by movement

We will look at how the hair moves in different movements.

### bow

For actions such as bowing and tilting the head, the head is the main axis and the hair moves along the arrow line below. The tip of the hair moves slower than the root, so it's a little behind.



### tilt one's head

The basics are the same not only for bowing, but also for tilting your head. You can see that the hair is delayed when you move it to the left as shown below. The tip of the hair can also be folded back and splashed.



### lean out

With the head as the fulcrum, the hair spreads toward the ends. The degree of spread depends on the time (timing) when the body moves.



## hair blowing in the wind

The hair fluttering in the wind gives the illustration a sense of movement and airiness. Let's look at some drawing points.

### When a gentle breeze blows

Let's take a look at some bad and good examples of drawing hair fluttering in the wind. One pattern spreads the ends of the hair (not good) and the other pattern the ends of the hair gather together (GOOD). If the hair is swaying in the wind, the basic movement is to bring the ends of the hair together. If the ends spread out, it's when the wind is blowing. In addition, GOOD is refreshing, so it is easy to use when adding more hair and body movements.

Not good



GOOD



### When exposed to strong gusts of wind

Except for short hair, the forehead is basically invisible, but if you dare to show it big, the impression you give will change. Don't forget to keep your hair length in mind and make your hair stand on end (especially the bangs). If the length of the hair is different, the sense of incongruity will be stronger, so please refrain from using this expression as much as possible.

Since hair is heavy, it basically flows downward, but by turning it upward, you can create a strong impression of defying gravity and giving the impression that it is blowing in the wind.

#### POINT

wind blows from right to left

A is strong wind,  
B gives the impression of a  
weak wind. The curve of the  
hair can also express the difference  
in the strength of the wind.



## 02

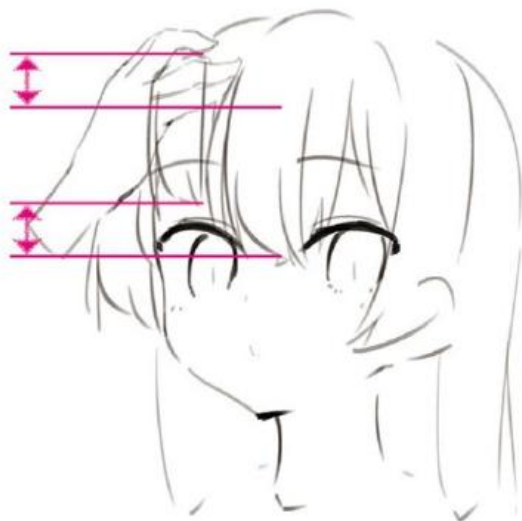
## performance of sex appeal

From here, I will explain about the sex appeal that attracts with hair. soft and smooth

The hair that has been cut can also be used as an item to bring out the sex appeal.

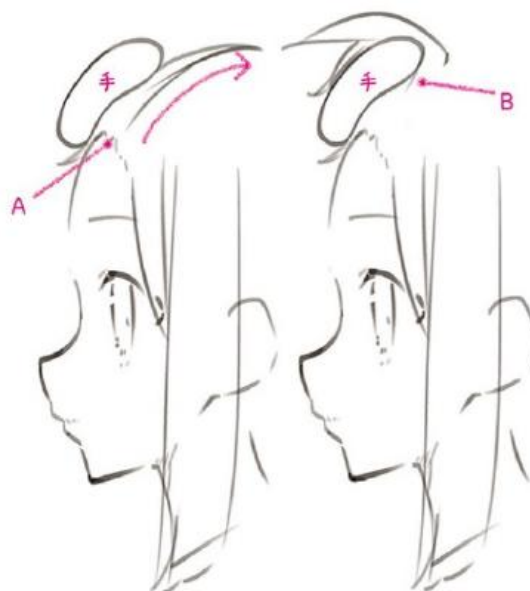
## brush hair

Look at the width of the arrow. The upper width is the width of the hand height from the hairline. Along it, The tip of the hair is only the minute of the arrow I'm going up. Think about how much you're going to brush your hair, and derive some length from that.



The two figures below show how the hair flows when viewed from the side. In the figure on the left, the hair growing from the base of A, which is held by hand, flows along the head (arrow). By holding down from the root with your hand, it will go against the flow of your head I don't have much to say. On

the right, there is a hair growing from the base of B, which is held by hand. In this case, unlike A, there are few parts that are pressed, and the hair can be lifted up on the hand. Think about these things and draw them.

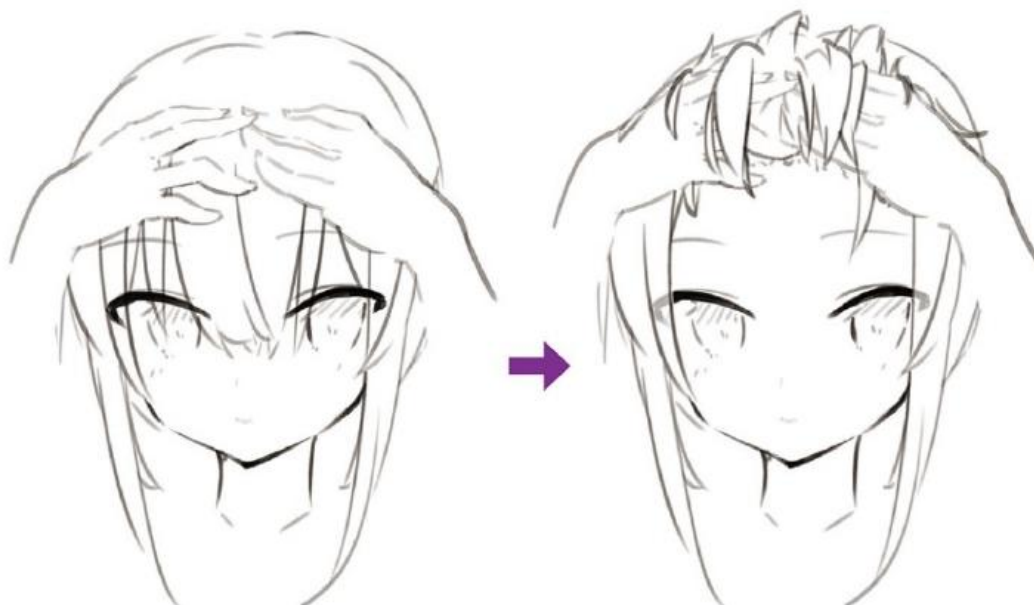


## Scrape up with both hands

In the two figures on the left, let's look at the movement of holding the head with both hands and raising the hand slightly upward to brush the hair.

I will draw while incorporating the idea of length and height explained earlier.

Compare the two figures to see how much the hair can be shortened and raised. Personally, it's very cute if you draw a hairline.



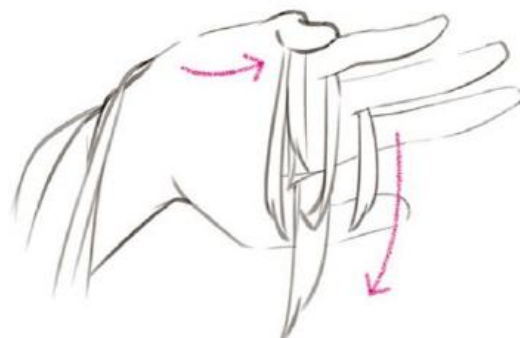


## hair on fingers

By entangling your hair with your fingers, you can create a sexy look.

### hidden hair

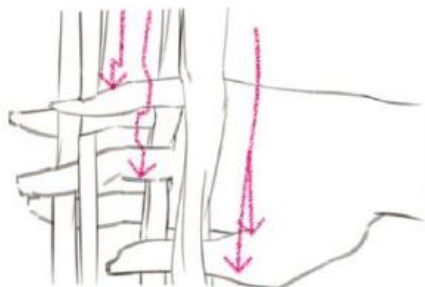
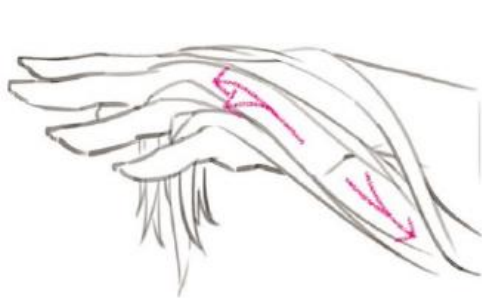
Draw while keeping in mind that the hair will hang down in the direction of the arrow. Since the tip of the back of the hand is higher than the position of the wrist, it often hangs down on the palm side along the curve of the arrow below. Pay close attention to the position of the fulcrum of the hair.



### how to separate hair

When I part my hair with my fingers, I sometimes end up with two strands instead of one. Conversely, two bundles may become one bundle, combined, or unwound. Let's have the recognition that one finger does not have to be a bundle. It is also important

to be conscious of creating a flow along the line of your fingers when hitting your hair. Even if it looks distorted when viewed from the side, it's fine as long as it's cute as an illustration.



side ☒

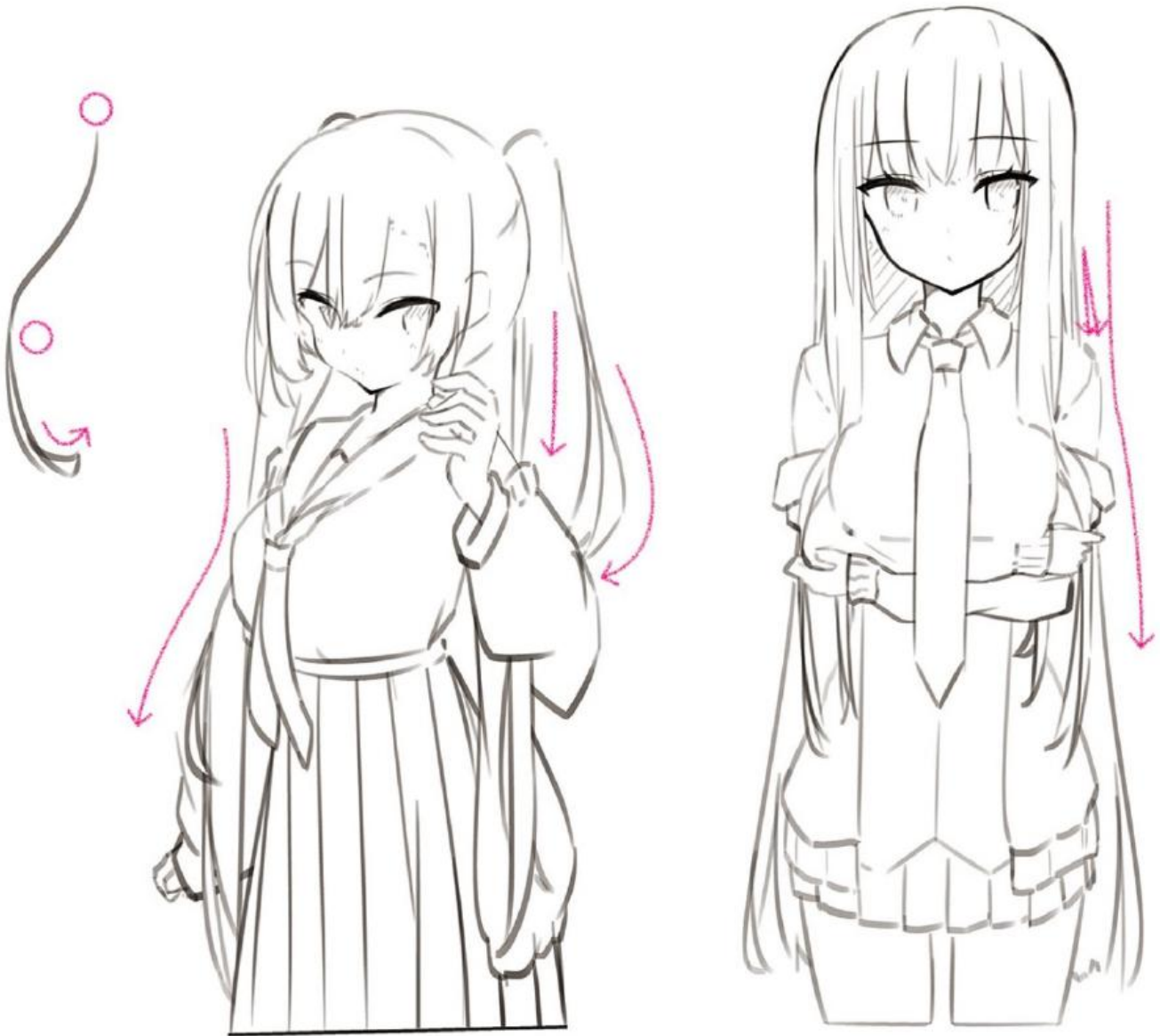
### application

I will apply the hair that is entwined with my fingers. The figure below shows the shape of one bundle to two bundles. When separating the bundles, make the hair flow so that the line of the hand is easy to see. However, if it is too explicit, it will spoil the sex appeal, so it is necessary to adjust it.



## hair hanging down the body

In normal movement, basically the hair that hangs is limited. I tried to forcibly droop the character with twin tails in the lower left figure. Considering the base of the twintails and the elbow as fulcrums, I drew hair that draws curves and hair that moves linearly from fulcrum to fulcrum. This fills in the gaps and improves the quality of the illustration. Also, it would be nice to have some hair that hangs down from the sides, like the character with long hair in the lower right picture. The hanging hair goes to the elbow side by the fulcrum of the armpit.



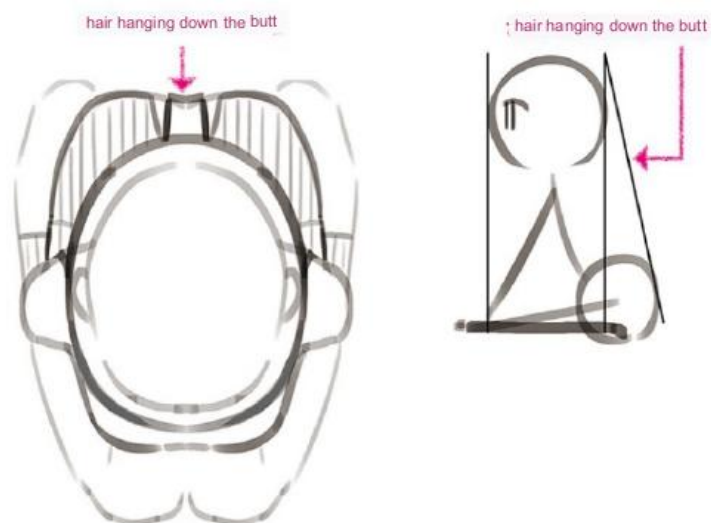
## POINT

Use a top view to think about where the hair hits and hangs on your body. If you look at the image on the right, you can see that the shoulders and chest are under the hair area. The part indicated by the arrow is the chest. Based on this arrangement, the long hair in the upper right figure is drawn so that the hair touches the chest. In addition, since the arms are folded, I made a process that touches the arms as well. The hair that was brought in from the back is put between the arm and the chest, so it hangs down from the side. After that, the top view hits the shoulder, so I drew it thinking that the hair would be scattered.



### Hair that hangs down when sitting

I'll see what happens to my hair when I sit down. Let's start by considering the two simple diagrams on the right. The part of the arrow in the top view is the hair that hangs down to the buttocks. Also, the position of the back hair is indicated by a vertical line in the top view. To the right of the top view is the side view. The illustration below shows the hair on the buttocks based on this top view and side view.



This time, I drew an illustration using only the outside of the hair. Actually, it's normal to draw by adding the inner hair, but let's find your own hair by changing the drawing method and expression method.





## eye-catching hair

by looking at the hair , gives a sexy and mysterious feeling.

We'll look at some patterns here.

## Front parting, M-shaped parting, etc.

It is a pattern in which hair is applied to the corners of the eyes. A slightly more mysterious atmosphere is created. On the other hand, since the outer corners of the eyes are not visible, the sharp and strong feeling is suppressed.



## one blindfold

A pattern that covers only one eye. If you compare the front parting and the M-shaped parting, the cuteness will increase and the mysteriousness will become even stronger. If only one eye is visible, the shape is unbalanced, so if you balance it with clothes and hair ornaments, the hairstyle will look great.



## hide the top half

A pattern in which the hair is hung over the upper part of the eye, and only the lower part of the eye is visible. It is often used in comics, etc., and there are many patterns where it is said that if you look into the face, you are beautiful. The hairstyle creates a gap moe, and when viewed as an illustration, it gives the impression that it has little impact.



## very long bangs pattern

The pattern is that the bangs are very long and the eyes are hidden. I have a strong image of being gloomy and unsanitary because I don't take care of my hair. If you cut your hair and change your image, you will become very cute. It can be used as it is even if it is parted in front or tied up, so it is highly versatile.



## show only one strand of hair

A pattern in which a thin bundle is visible. Thin bundles can be used to create the appearance of side hair hanging down, and this expression can be used with any hairstyle as long as you have side hair. Basically, the pupil is not covered, and it will be covered other than that. Use it when you want to add an accent, when your hair is wet in the rain, or when your hair is a little disheveled.



## Part the hair on the left and right side of the M part

Unlike the one where only one strand of hair hangs over the eyes, the pattern is that the hair that is separated from the bangs in the middle hangs down to the left and right. It is also not recommended to cover the pupil with hair. The side hair is not pulled forcibly, so it is a natural expression. This method is often used for characters with slightly long hair.



## cut the hair that hangs over the eyes

A method of drawing that emphasizes the eyes by intentionally cutting off the hair that normally hangs over the eyes with the eyeliner. Use when you want your eyes to look stronger than your hair. It is also a good expression to show here and there. It is a little more distinctive than other drawing styles.



## put on only one strand of long hair

You can see that the left eye has more of a strand of hair. It is also desirable not to cover the pupil. It makes you look more mature and gives you a slightly more mysterious atmosphere. It also gives off a dark and strong feeling. It's also a good effect when you want to create a strange feeling.



## hair hanging on the floor

Let's look at how to express the hair hanging on the floor. The figure on the right shows how the hair hanging on the floor changes when the viewpoint is moved from horizontal to diagonal. You can see that it looks different depending on the angle.

Below is an illustration of a girl with her hair hanging on the floor.



## Expression of falling hair

How to distribute the hair that hangs on the floor is also important. Although there are some variations, the expression of branching and turning the ends like the letter Y looks very cute. Soft expressions make a stronger impression than hard expressions. Also, the advantage of using a softer expression is that you have more freedom because you are not defying gravity.



Eliminates the boundary with hanging hair and expands the range of expression methods so that the eye can see.

By pulling the back hair forward, it becomes an expression that hides the thighs.

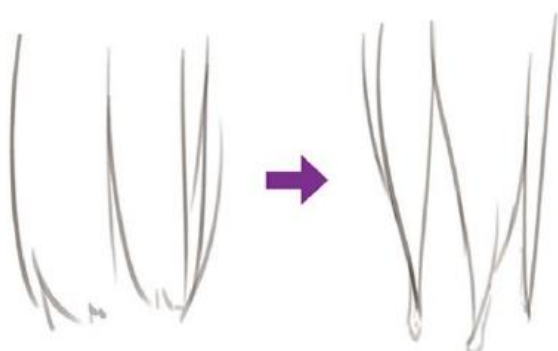


## wet hair

Let's look at some expressions for wet hair.

### ▽ pattern

The left side of the figure below is a normal strand of hair that is not wet. The right side of the figure below is a pattern that is simply wetted. Basically, the ends of the hair are gathered so that it becomes ▽.



### special pattern

Leave a gap in the hair, and the left image below shows how the strands become thicker toward the tip of the hair, and the right image below expresses the strands becoming thinner.

Pattern that makes  
the bundle thicker

A pattern in which the bundle  
becomes thinner



### application

I drew an illustration with reference to the above two patterns. I use a lot of patterns where the ends of the hair are tapered and put together. The drooping hair will also be collected when it gets wet.



### POINT

The pattern in which the hair is more gathered than the illustration on the left. If you take a wide width, the unnaturalness will stand out if you are not careful.



### POINT

The expression of water droplets is also important to bring out the sex appeal.



## hair stuck in mouth

The effect of adding hair to the base can emphasize the sexiness.

### | Add side hair

It is side hair that is naturally easy to add. It leaves a lasting impression. Pay attention to the length when drawing. The composition is particularly easy to hold when the head is tilted as shown on the right.



### bite back hair

It gives the impression of being intentional, as the back hair is rarely pulled naturally. Therefore, the mysteriousness is reduced, but depending on how you present it, you can produce bewitching and beautiful.



## remove hair

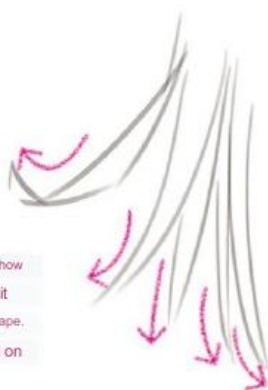
The act of intentionally brushing and fluttering the hair is a representative performance using hair. Let's take a look at the drawing points.

### remove hair

The act of brushing the hair is good for high-handed characters.

image to use. When

the hair is removed, the outermost hair draws a line like an arrow, and the movement works to return to the original position of the hair. You can see that the curve of the hair changes visibly as it goes inward. This is the same when the hair blows in the wind, regardless of the movement of the hand.



A diagram that makes it easy to understand how the hair flows when it is plucked. As it moves to the right, it returns to its original shape. It will be very cute if you draw based on the arrow line in the figure



### remove back hair

The action of brushing the hair on the back is used to straighten the back hair and change the mood.

It is often used in scenes such as Like

the arrow line, the line that spreads out from the head line creates an uneven arrow, which is important for drawing. Also, the way it spreads changes depending on the strength with which you remove the hair. If you apply it lightly, the hair will appear slightly wrapped around your hand, as shown in the illustration on the right. If you hit it hard, it will go around as shown in the figure below.



hand when slapped strongly





## 03

## Other performances

In addition, we will look at various production techniques using hair. Varies by imagination

The charm of hair is that you can do simple things.

## Line of sight guidance with the flow of hair

This is an example of using the soft flow of hair as a visual guide for an illustration. The figure on the right is an illustration of a composition in which the left and right twintails move in the same way and intersect at the tip of the foot. The depth is expressed by the hair coming in front of the body, and the line of sight is guided there. The order of gaze guidance is face → upper chest → twin tail reverse S shape → pants. Of course, if you draw more on the clothes, the line of sight to the clothes will become stronger. In such cases, drawing the hair in proportion to the drawing of the clothes will create a balance.

Clothes that match string ribbons better than butterfly ribbons. In addition, thin string ribbons are also suitable for long and thin twintails.

## POINT

This illustration gives the impression that the upper left and lower right corners are lonely. You can divide the entire screen by imagining # and place something in the lonely part. I circled the lonely part.



Instead of letting the ribbon hang straight down, give it a slight curve to make it look cute.

## curly hair arrangement

Curly hair can be arranged in various ways.

The figure below is an illustration of a curly-haired girl sitting on the gym.

This time, I chose long hair with strong curls. I draw curly hair in various

patterns, but basically there are two types (curly hair or spiral hair) as

shown on the right. It is also a point that there is hair on the floor.



By drawing the bangs with a little softness in mind, the overall soft image becomes stronger.



The hair on the floor is also very cute when curly.

## partly long hair

In this illustration, part of the hair on the back is long, and it will be a pigtail twin tail that is tied at the bottom. The hairstyle is also bob, and it is a good design that can express the goodness of long hair. If the part where the hair is tied is at the top, it can be a normal twintail, or it can be a ponytail, a side tail, a half twintail, etc. It is characterized by its high versatility.



Since I have animal ears, I wanted to give it a wild feel, so I made it a little messy. On the contrary, the twin tails are drawn in a very beautiful contrast by making them slender.

## POINT

If you say "only part of it is long", it's fine to have side hair, or you can say that only the twin tails of half twin tails are long and the rest are bob. Part of it can be one place instead of two, and there are various ways to arrange it.

By reducing the amount of hair in the twintails and making them thinner, you can move them freely like half-twintails. It is convenient because you can use outlines to highlight features and fill in the composition when drawing illustrations.



## hair on cheeks

A hairstyle that winds the hair in the direction of the cheeks. The feature is that it can be used for both cute and beautiful characters. The part with a large amount of information called the face

By adding hair to the , the attention to the face is further increased. I will introduce three patterns.

A pattern of hair that curves from the outside to the inside. Very easy and cute to draw. If you are not used to it, it is easier to draw by setting the thickness in order of thin, thick, and thick from the top.



A pattern in which the hair is pulled down halfway along the flow of the hair, and the hair on the inside is slightly curved toward the cheeks. Use for illustrations where you want to make an impression other than the face

A pattern in which there is a thin strand of hair in front of you, and another strand of hair from the outside crosses it. Impression depth increases by crossing hair



### POINT

If the illustration below shows the hair as the main part, the hair on the cheeks is effective. It can also be used to draw messy hair.



## pull hair

It is a production that catches the hair on something. I will introduce 2 patterns.

## Wheel of Angels

The figure on the right is an illustration in which two rings of angels are floating above the head and hair is hanging from them. I believe that the angel's ring not only floats, but also makes the hair hang down. If you broaden your awareness of the fact that even things that seem transparent, light, or particles can be caught in the hair, the range of character design will expand.



## wing

In the left figure, bone wings are drawn in the foreground, and bat wings are drawn in the back. I stuck my hair in there. It is very impressive because the hair is caught in places where it would not normally get caught. Also, by adding not only the wings but also the hair, we can increase the amount of information in areas where it is not possible to draw with just the wings alone.



## hair sticking to water

It is an expression that the long hair of the character in the water sticks to the surface of the water. It's an expression that looks beautiful as an illustration, but it doesn't look like this in reality. Illustrations are one of the easiest expressions to use.

Stick your hair on the surface of the water as if it were on the floor.  
Makes hair look like it's floating on the surface of the water



Because it is in a tree, it makes clothes fluffy (feeling of weightlessness). The pose is also a good shape to loosen the muscles

Unlike the illustration above, her hair is loose. In addition, it gives a little sense of gravity and hangs in the water. A strong sense of unreality, the image of hair that has not been pulled by the body



This is also important for the fluffy feeling of clothes

### POINT

When drawing an illustration, avoid bubbles and water flow.

It would be nice to have an expression for



## attribute to hair

You can also express attributes with hair. Attributes here are things such as fire, water, earth, plants (flowers), lightning, light, and darkness. Let's express such attributes with hair as part of the character design. This time, I will introduce two patterns of hair with fire attributes.

### Add attributes to the ends of the hair

The figure on the right is an expression where only the tip of the hair is set to match the attribute and is set on fire. The degree of attribute grant is about 20%. If the hair doesn't move a lot, the clothing will be well balanced.



### Add attributes to most of the hair

The figure below is an example of assigning attributes to most of the hair. 50-80% of the hair is on fire. Since the degree of flame is strong, there will be more places to draw line drawings. Therefore, you can emphasize your hair by lightening your clothes and face.



## Express your race with your hair

Various races can be expressed by using hair as feathers or animal ears.

### express wings with hair

In the right figure, the hair is likened to wings.

I have an image of a bird tribe. I made her sit in a gym pose, but it's also very attractive to imagine her hair fluttering and spreading her wings. Adding a mesh to the hair or adding an accent color will make it stand out.



### Express animal ears with hair

In the right figure, the hair is likened to animal ears. There is hair between the side hair and the back hair in the arrow part, but this is expressed as animal ears. Animal ears are also used in various hairstyles, but you can also express cat ears with twintails.

## Transform/equip hair

It is an expression that transforms the shape of the hair of a character from another world. Character settings such as attacking and defending with deformed hair, flying in the sky, and supporting the body are also good. The quality of the illustration changes depending on how much hair is added.

### transform hair

This time, I made the hair a cobra with a strong deformation.

The hair-likeness remains strong and it is very cute.



Whether the transformed thing depends on the color of the hair depends on the character's settings. Make your own settings.



### equip hair

Equipped with hair, it is an expression that supports the operation of the body. It is an image of moving the body by covering hands and feet with hair and moving them. It is a setting that makes impossible movements possible because the body is moved not only by the original muscles but also by other forces. Also, you can increase your defense by covering it like armor.



This time, I mainly cover my legs and hair.  
Imagining that you can increase leg strength to  
increase leg speed and kick power



You can also think of other character designs, such  
as using the hair on yourself or your opponent to  
manipulate it like a string puppet.

## COLUMN

## special hair arrangement

I will introduce special hair arrangements divided into A and B. If you add these as accents to add character to the character, the impression will change completely, so it will be a recommended way to use the hair.

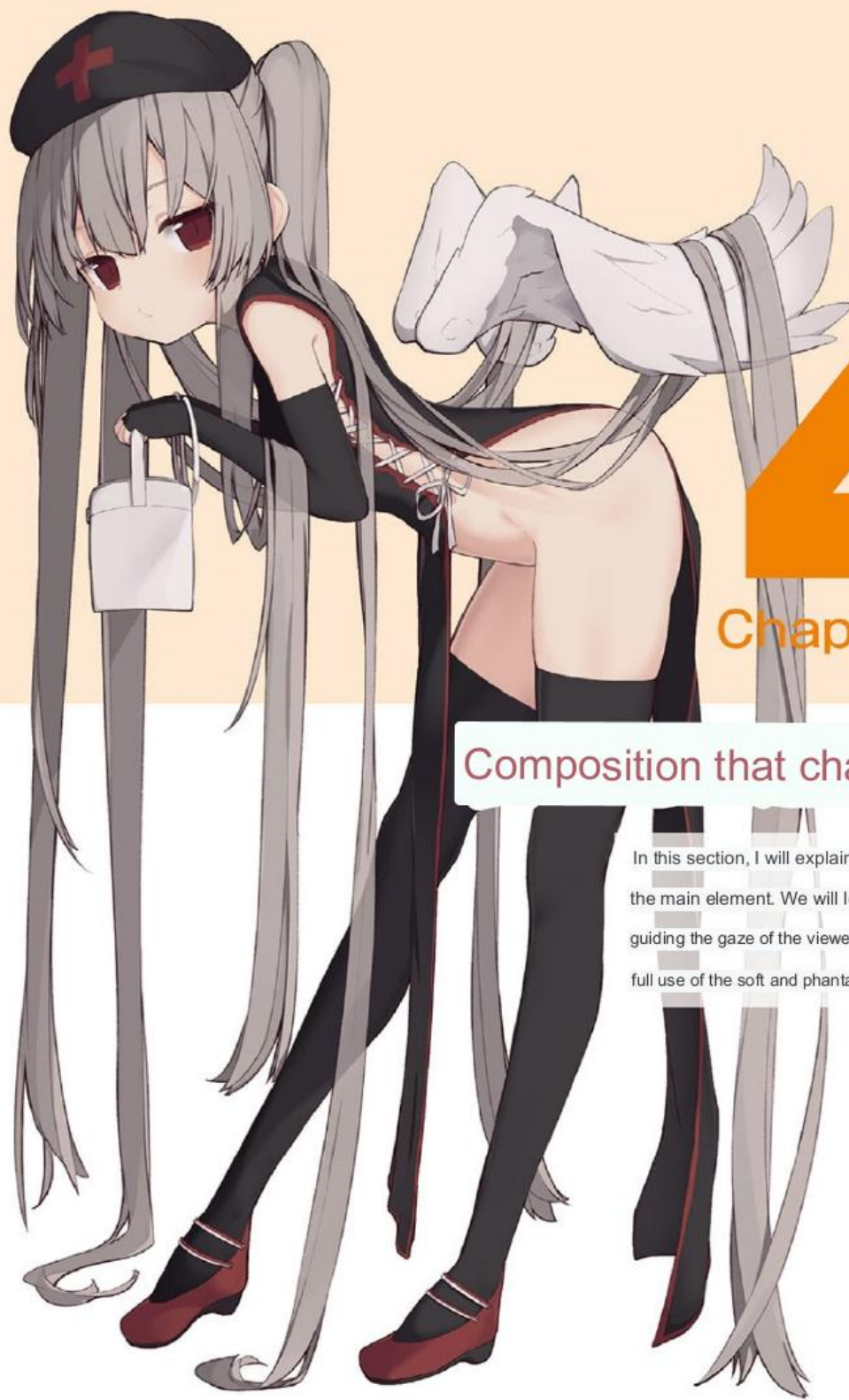
## Representation of A

The hair that grows thin on the left and right. The outline of the left and right width can be taken from the front, and it is the strongest splash expression that is cute even when viewed from an angle. The width of the hair increases and the face becomes rounder, making it closer to the silver ratio and more cute.

## Representation of B

Expression flowing from bangs to side hair. It is characterized by being above the side hair. The impression of the face is strengthened by increasing the points where the hair crosses while making the statement stronger. In my case, I don't often use it on the left and right, I use it only on one side and arrange it asymmetrically. The hair is longer than the bangs, but this is because the side hair gives it some volume, so let's make the ends thinner. If you are conscious of reality, there is no problem even if you draw thick up to the middle.





# 4

## Chapter

### Composition that charms with hair

In this section, I will explain how to compose using hair as the main element. We will look at the technique of skillfully guiding the gaze of the viewer of the illustration by making full use of the soft and phantasmagoric hair.



## 01

## How to compose using hair

Here, we will look at the composition of the illustration that makes the most of the hair. the intention of the composition

I will explain in detail about the guidance of the line of sight.

## nurse + angel character

We will look at the composition and guidance of the nurse + angel character.

It's rough. It's a rough image, but at this stage the composition I wanted to draw was complete in my head, so I decided to continue drawing.

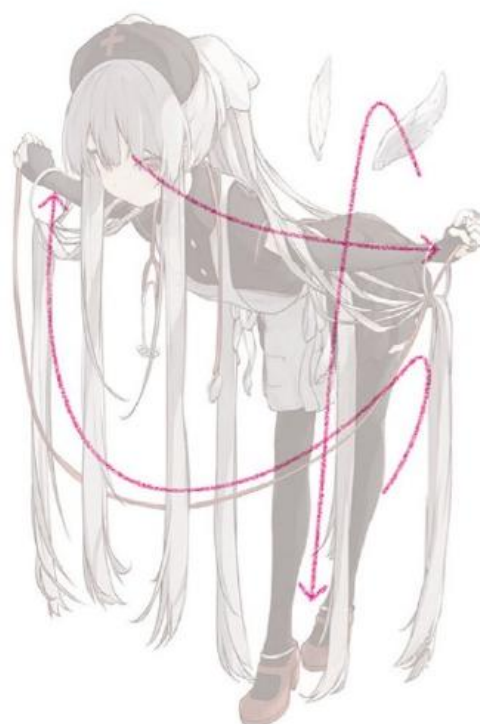
Rough parts (arms, legs, wings, hair) and so on. The reason why I chose an angel image is that I wanted to add a tail or wings because the upper right corner of the composition was lonely. Feathers were cute, so I drew them here. You can add characters according to the composition, Adjusting the pose according to the marking is the real thrill of rough drafts.



The line that extends from the face to the hand has many line drawings of hair on the arm and the eyes are facing to the right, so after the line of sight goes to the hand, the wing flows to the leg, and from the leg to the curved line of the tape measure held in the hand. . This makes a full circle. While avoiding showing too many places, you can let your eyes see the points you want to convey and the whole illustration by making the line of sight go all the way around. I am careful not to look at my illustrations on SNS if there is too much information.



At the preliminary drawing stage, I try to decide the direction of the line of sight to some extent, and adjust the drawing with line drawings, coloring, and colors. Masu.



I put the wings in this position for line of sight guidance

At first, the image of feathers was to grow from the waist. However, if I made it too big, I thought it would get in the way and not be fashionable, so I drew it in a way that doesn't interfere with the small and cute impression.

By letting the twin-tailed hair hang not only on the arms and waist, but also on the buttocks, one more impression can be shown to the other party.



When I paint illustrations or design characters, I don't use too many colors, and I control the impression by limiting the number of colors. In this illustration, black and white are the base colors, and red, the highlight color, is used as the accent color. You can also use color to guide your eyes.



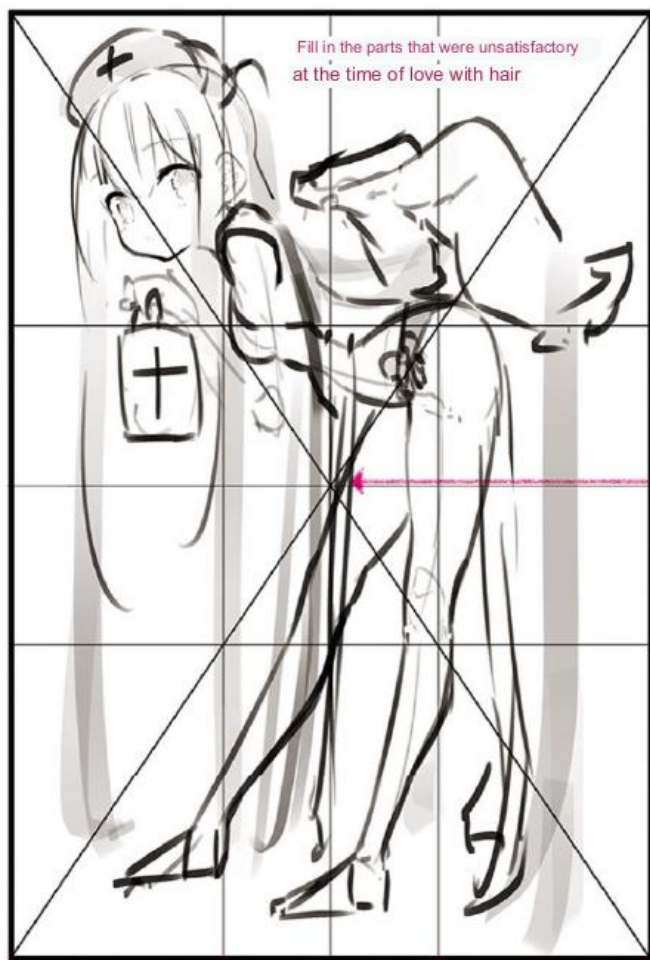
## Nurse in cheongsam + angel character

Let's look at the composition and guidance of the illustration of the nurse + angel character, which is different from the previous page.

Draw a simple rough sketch. Basically, stick figures decide the theme while taking care of Bose. Nurse + angel, there are various ways to hang hair, but I thought about the one that hangs down from the wings.



Once the composition is roughly decided, apply it to the frame. Decide how you want it to look and where to cut it. I wanted to add something to the bottom left and the entire right side, because when I applied the frame it looked long and thin.



Fill in the parts that were unsatisfactory at the time of love with hair

This time, I used the rule of thirds, and while filling in the fine elements, I reduced the amount of drawing in the lower left so that the flow of the line of sight would be smooth.

Chinese clothes.  
I wanted to show you my stomach  
so cheongsam  
drip

Basically, the line of sight guidance is drawn with the main idea of making it loop around rather than one way or breaking apart. Also, adjust the drawing so that you can see the whole when you make a circle. By doing so, I believe that the illustrations will leave a strong impression on the viewer.



The method of dividing into thirds is a method of dividing the screen into 9 equal parts by dividing it into 3 parts vertically and horizontally, and placing important elements of the illustration on the lines or intersections of the lines to create a well-balanced composition. i.e.





Make the hair transparent in the part surrounded by ○ so that it does not give the impression that it is just the hair.

Illustration that flows down as a whole

The viewer's line of sight flows to the part with the most skin next to the face, so draw it.

When you straighten your back, you touch the ground, but I purposely manipulated the impression with a false illustration.

The length of the hair does not touch the ground because the hair hangs over the wings.

By changing the step of the side hair, it gives an unbalanced feeling and does not get tired of watching.

Slanting the legs reduces the monotony, as it is not interesting if the hair just hangs down.

I made a silhouette. If you look at it this way, you can see that the way it hangs and the thickness are not uniform. The density on the left and right is also moderately spaced, making it a spectacular illustration.



## character with animal ears

We will look at the composition and line of sight guidance of the character with animal ears. There is no rough sketch in this illustration, and I draw a draft in one shot.

A stage in the middle of drafting. I drew the tail big because I wanted to fill the space in the upper right corner. The reason I reduced the lines on the clothes is to show the movement of the hair. The hair that hangs down as it is and the hair that hits the waist and bounces off is an easy-to-understand contrast. This time, I wanted to make the animal's ear hair look like hair, so I set the fur to be long. The ear hair is fluffy, so I think it would be good to change the hair and how to draw it.



hair that hangs down

Hair that hits the waist and bounces



The necktie hangs straight under the force of gravity. I drew it as a contrast with the hair flowing diagonally. Thanks to that, I was able to emphasize the part where my hair was hanging over my waist.

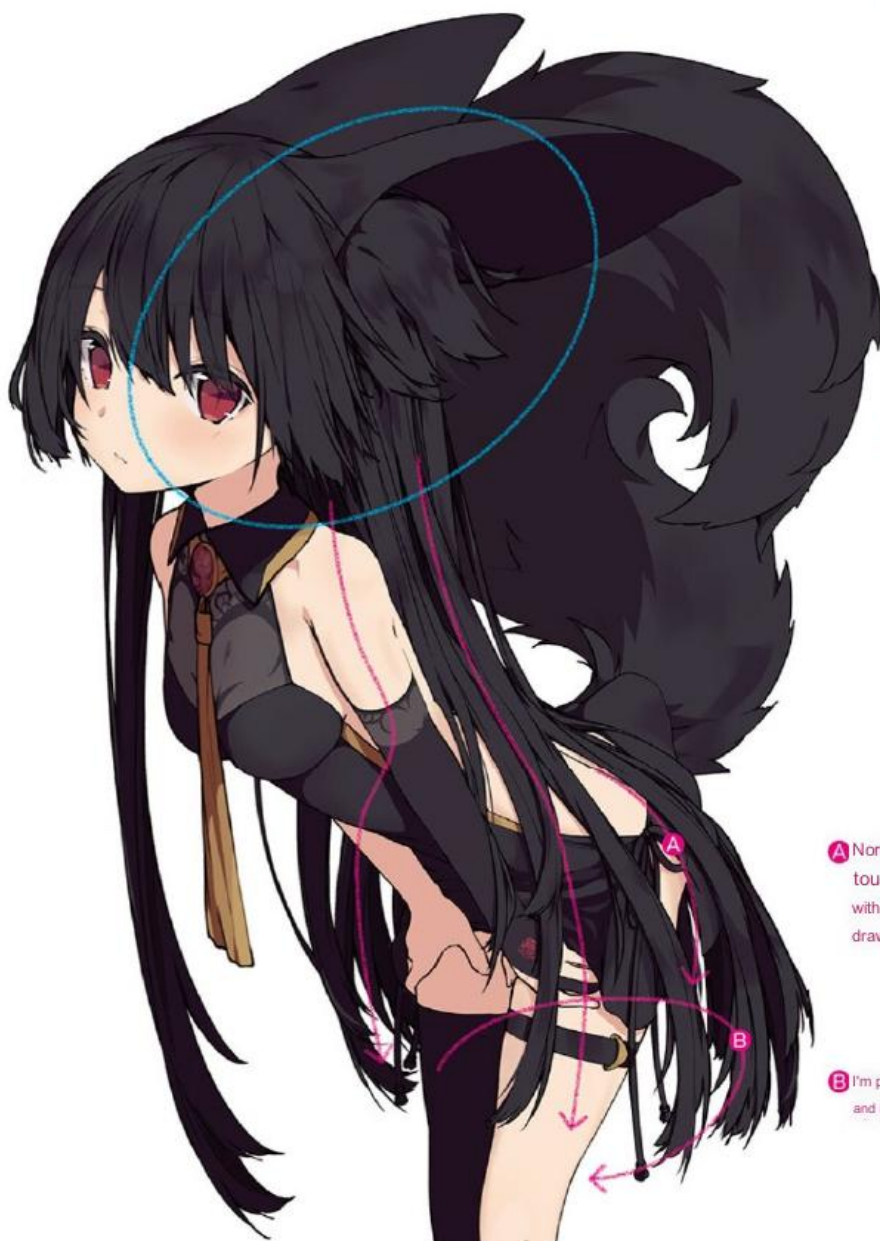
tie



I drew it with the awareness of guiding the line of sight with the arrow line. In addition, the base color is black, and the skin color is not too white and has a strong yellow color, so the impression of the skin is strong. I wanted to give a strong impression to the waist, so I made the wrinkles finer, and since the impression of the tail was too strong in terms of area, I reduced the amount of paint and manipulated the amount of information. This also creates a flow of line of sight that goes around in a circle.



The part surrounded by ○ is the part that gives a fluffy feeling even when painted.



The hair on the ears and hair has been painted to give it a fluffy feel.

I made a difference by reducing the line drawing of the hair on the ears and focusing on coloring. The coloring of the tail is very monotonous.

**A** Normally, the hair would flow downward without touching the waist. Therefore, there are hairs that flow without curves, but they lie because they want to draw curves.

**B** I'm particular about drawing a circle with the hair that hits my waist and is scattered.



## Sitting nurse + angel character

We will look at the composition and guidance of the sitting nurse + angel character. The point is the hair that spreads on the floor.

For ○, instead of just letting the hair hang down, make sure that the hair comes in to fill in the gaps in the composition. Of course, you can fill in the composition with accessories, etc., but by making it into hair, the impression of hair is strengthened.

By hooking the hair on the upper left wing, the loneliness of the simple illustration of only the wing is alleviated by the hair. This is a very good point for me personally.



There are some arrows, but they are easy to understand what is stuck on something or stuck to the floor. Her hair hangs down on her wings, legs, crotch, bracelets, and arms, but the aim is to create a stronger impression than the hair that hangs normally on the ground.



## chibi characters

The nurse + angel character has been further deformed into a chibi character. I will look at the composition and line of sight guidance here.

I drew the twintail hair so that it would get caught on the bracelet. This will make the combination of the Bosc and the hair more attractive. Since this character is a calm character, I draw her hair so that it hangs inward and has no splashes, and is not active. It gave me a calm impression.



By letting the hair hang inward, it gives a calm impression.



When drawing a chibi character, you can bring out the best of the SD character by making the hair more deformed than it would be on a life-size character. When I paint my chibi characters, I draw them with the idea that the front is bright and the back is dark.

I use my hair to hide my pants. What you can't see Making it natural with hair. Because it is invisible, there is also the advantage that the imagination of the viewer works.



## COLUMN

## Differences in drawing line drawings

Let's see how much difference there is in drawing line drawings even with the same illustration.

little drawing

You can see that the weight of the drawing is shifted to the left. Also, the thickness of the line drawing varies. When you want to make the painting monotonous,

The drawing is a little lacking, so I draw in the line art to give it balance.

too much drawing

Drawn for balance. The drawing makes a strong impression. I adjusted the thickness of the line drawing to make it cohesive. The thickness is evenly distributed, making it neat and tidy.







# 5

## Chapter

### how to paint hair'

The hair can be expressed in various ways depending on how the color is applied. Here, I will explain how to paint the hair and the pattern. In addition, I use "CLIP STUDIO PAINT PRO/EX" as the paint software for coloring. You can also download the brush tools introduced in this book. It also provides a brief explanation of the cover illustration.

## 01

## Brush tools useful for painting hair

Before going into the explanation of painting, brush tools that can be used in CLIP STUDIO PAINT PRO/EX

I'd like to introduce \_\_\_\_\_

## Brush Tool (Custom Brush)

Introduces brush tools useful for coloring hair in CLIP STUDIO PAINT PRO/EX.

## Paryi\_a

A brush with no blur. You can paint clearly. Besides painting, it can also be used as an eraser. Set the "Image Stabilizer" to the setting that suits you. I set it to "6".



"Stabilizer" settings

## POINT

Select the checkered portion of the Color Palette to use the brush as an eraser or to draw with opacity.

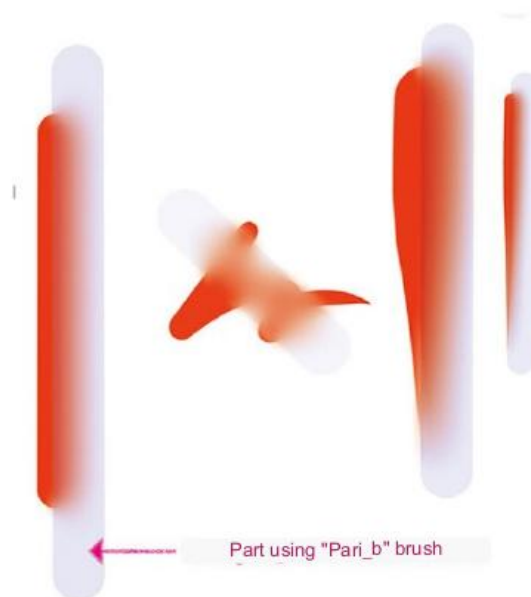


## Paryi\_b

A brush for blurring. Blur the traced part. In the picture on the right, the lightly blue part is where I used this brush. Very often I use it in combination with a crisp brush like the "Paryi\_a" brush.



I use "CLIP STUDIO PAINT PRO/EX" as my paint software. A free trial version of CLIP STUDIO PAINT can be downloaded from the official website (<https://www.clipstudio.net/>). The free trial version has a fixed trial period.



Part using "Pari\_b" brush

## Paryi\_c

A watercolor brush that allows you to draw while blurring a little. Depending on how you paint and the pattern,

you can change the scene you use.



## Paryi\_d

A watercolor brush that allows you to draw while strongly blurring. By increasing the size of this brush, it becomes an ideal airbrush. In addition, since it is a watercolor brush, it does not feel stiff, and it will be familiar with the illustration.



## Paryi\_e

It's a fairly sharp brush, but you can also blur strongly by weakening the pen pressure. Very easy to use.



Strong pen pressure

Weak pen pressure

## POINT

Watercolor brushes with a strong blur look sharper when the brush size is reduced. If you want to change the painting method slightly, you can use several brushes with different degrees of gradation and change the brush size on the fly to create the gradation that you like.



The brush tool introduced here and the cover illustration CLIP data introduced on p.149 can be downloaded as a bonus of this book. Please access the support site of this document and download from the "Download" link in "Support Information".

Support site for this document: <https://isbn2.sbcr.jp/07166/>

Password: kamino152





## 02

## basic painting method

I will explain how to apply basic hair. Several patterns for each brush used

I will introduce it.

## How to paint over the base with bright colors

How to layer a bright color on the base. Here, I used the "Paryi\_a" and "Paryi\_c" brushes to paint.



- 1** I used the "Paryi\_a" brush and roughly decided where the light would hit with solid paint. Follow this and paint finely.



- 2** Paint the bright areas with the "Paryi\_c" brush in a jagged manner. As shown in 1, 2, and 3 above, it is common to draw from 1 to 2 and add 3. As the arrow extends to the left, you can see that the light on the right is darker and the color gets lighter as it goes to the left. Because it is a strong highlight, it will be very impressive if you add a difference.



- 3** Add a little darker light. Adding this will reduce the feeling of stickiness. It also gives the hair a three-dimensional effect. I was conscious of painting like reflected light and rim light.

## POINT

From left to right, the painted parts have been removed and added. The same "Paryi\_c" brush is used for both painting and shaving, so there is no discomfort.



4

Combine step 2 and step 3 and you are done. By combining them, the feeling of flatness has been reduced and the three-dimensional effect has been strengthened. Also, as the number of drawings has increased, the number of hair claims has also increased. I also added 4 hairs that fall (3 on the side hair, 1 from the bangs to the side hair). Since the amount of information in this way of painting is very detailed, increasing the amount of information in the colors will create harmony.

The place where the light hits is aligned with the apex of the bulge of the hair



## Change the impression of painting by combining brushes

Even with the same brush, the impression of painting changes greatly depending on how it is combined with other brushes. Let's see how to paint places A, B, and C in the illustration below. "Pari\_e" brush

I will try combining other brushes with .



A is painted with the "Pari\_e" brush and the same brush is used as an eraser



B is painted with a "Pari\_e" brush and scraped with the same brush as an eraser. At this time, the left side is left slightly. Scrape the bottom with the "Pari\_d" brush



For C, paint with the "Pari\_e" brush, use the "Pari\_c" brush as an eraser to erase while blurring, and scrape the bottom with the "Pari\_d" brush.





## How to paint with shadows and highlights

It is a painting method that puts dark parts that act as shadows and brighter highlights on a light base. First, add two large shadows. The side hair is a light shadow, and the top of the bangs is a dark shadow. I painted these shadows with the "Paryi\_c" brush which blurs them a bit. On top of that, add a base color or a slightly brighter color to give it a glossy look. Highlights are drawn with a crisp "Paryi\_a" brush to balance the blurred shadows.

Hide the dark shadow layer



- 1** I drew a shadow with a dark color on the groundwork. I painted the light on a separate layer with the same color as the base. Use a smaller brush size when scraping with an eraser than when painting shadows.

- 2** I added a shadow because it was a little lonely. Adding light shadows increases the amount of information.



Hide the dark shadow layer



- 3** I added highlights with a lighter color than the base. While the shadows are blurred, I added sharp highlights to give a strong impression. You can also blur it slightly.

- 4** It is completed by combining steps 1 to 3. Eyes and skin are not painted in, so you can see the hair. It has a glossy feel and is not too bright, making for an impressive finish.





## Other painting methods

In addition, I will look at the pattern of how to paint the hair.

### A How to paint with light at the top of the hair curve

This is a painting method that puts light at the top of the curve of the hair. It's a common technique. Apply with a crisp line. Since there are few drawings, by devising the shape of the spectrum, the illustration looks beautiful instead of monotonous.



### B How to paint to add light over light shadows

This is a painting method that creates a large, thin shadow and adds a line of light above it. The illustration adds a few fine lines to the vertices of the hair curve. A bright line is added to the entire dark hair, giving an overall bright impression.



### C How to paint without adding light

It is a way of painting without light. Although the finish as an illustration will be reduced, adding gray to the shadows will give a matte impression. You can also paint in this way for illustrations that have a strong line drawing impression. If there is no light in the hair, it is better not to let the light into the skin or clothes. It gives a sense of unity.



## COLUMN

## How to find out which watercolor brush you are using

Sometimes you want to paint in a watercolor style, but you don't know which watercolor brush to use. You can make it look similar by using blurring, but it seems that many people don't know how to make it look sharp. I will introduce how to check the brush in such a case.

## Prepare illustrations for reference

Prepare an illustration you like to use as a reference, copy and paste it on an A4, 350dpi canvas, and enlarge the size (be careful not to degrade the image quality too much). From here, I will explore the differences between the brushes I use and the brushes in the illustration I am referring to.



Extract the color with the eyedropper tool



## Exploring the brush while painting

Here, while painting the same line art with the "Paryi\_c" brush, I will explore the brush settings by comparing it with the original illustration. Compared to the illustration above, the way the bangs are painted is different, but it doesn't feel out of place. This is because I observe how blurry it is and paint it.

The original illustration is painted with clear parts and blurred parts. It's a mean illustration to use as a reference, so if you want to paint both, you can create two types of brushes, but lower the size of the blurry brush that has already been set.

There are other ways to clarify. The

brush used in this illustration is the "Paryi\_c" brush.

Although the sharpness is clear, the blurred feeling is still there, so I will change the "hardness" setting of the tool to bring it closer.



Click to make more detailed settings.

Now you have a brush with similar settings.

In addition, you can adjust various settings as you like, and use

Let's make an easy brush.

I painted the tail with the "Paryi\_d" brush, but it didn't work. What used to be moderately clear and cute is now too blurry and feels strange. In this case, it is necessary to consider what is the cause and adjust the brush.



This method can be used not only for hair, but also for clothing, skin painting, and various other studies. The point to note is that even if the brushes are the same, the differences in the balance of the line drawing, the way of painting and the way of placing colors are not as good as the original illustrations. Just take it as part of your study. The pattern is not something that is forced, but the habit that comes out naturally will be your wonderful pattern. You may feel rushed, but take your time and do your best.



## COLUMN

## Extract line art from fill

This is a drawing method that is often used for back hair.

## step 1

Using a brush with a pointed tip, draw a silhouette based on the image of hair.



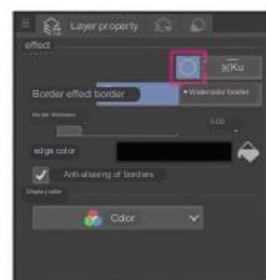
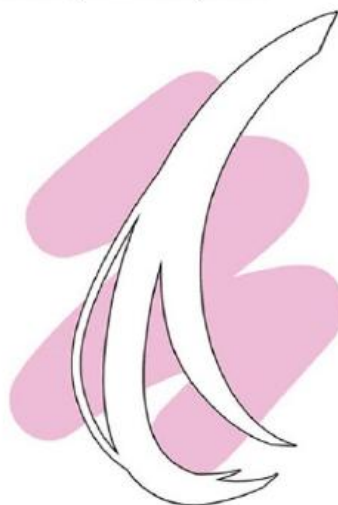
## Step 2

Click the [Border effect] item in the layer properties

and set the border

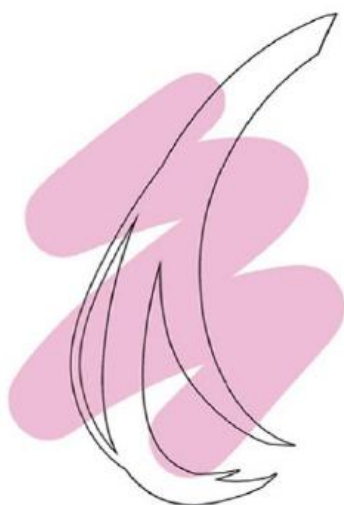
color to black. Replace pink with white. for further processing,

Merge with new layer.



## Step 3

Click the [Edit] menu > [Convert Luminance to Transparency] to make the white part transparent. This completes the fringe of the hair.



## Step 4

All that is left to do is to draw in, but depending on the brush, there may be a sense of incongruity compared to normal line art. In that case, you may need to lower the transparency and redraw. If you use a special brush for line drawing, there may be a difference, but the lines extracted by the border effect are not strong or weak, so they are mechanical lines, so I often redraw them. It's the same reason why you feel uncomfortable if the hair and skin are painted separately for thick and anime.



Different brushes make you feel uncomfortable



## 03

## About the cover illustration

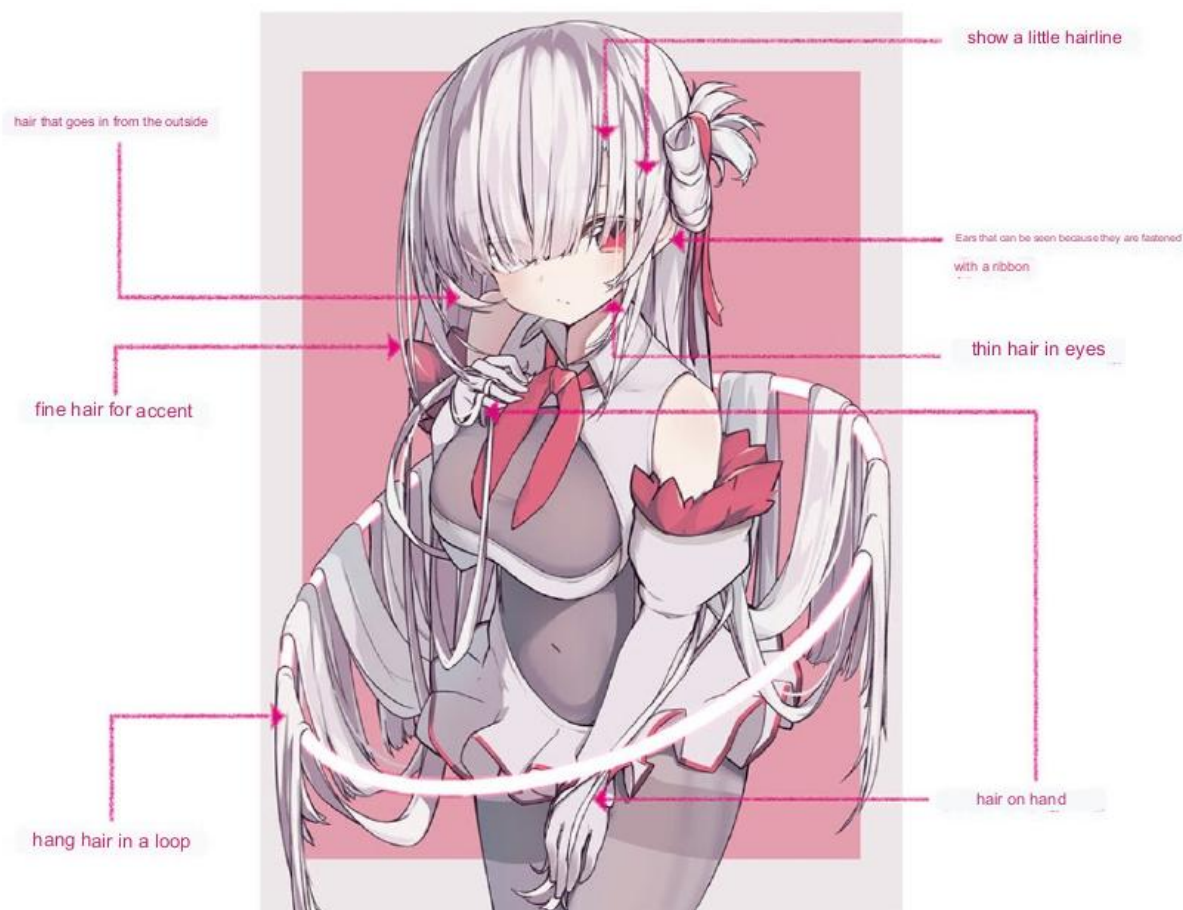
Here, I will explain the points I was conscious of when creating the cover illustration.

## Key points of the cover illustration

I draw from the rough. The reason why I put something like a picture frame is to make it easier to imagine the completion. This time, it was a book that emphasized the importance of hair, so I focused on how to arrange the hair as much as possible. It is assumed that 80% of the hair is in the eyes at the rough stage, and you can see that the overall arrangement has been added at this stage. The upper right and upper left corners look very lonely, but by adding characters assuming that the title will be included, I no longer feel that way. You can also see that the bangs are not drawn in the rough. By drawing these at the line drawing stage, you can give a strong impression of the naturalness of the hair. Another reason is that if you try to trace the lines in the rough, the lines tend to become stiff, and if there are too many lines in the rough, you may get lost because you don't know where to draw the lines.



The illustration below is a completed illustration, but I will introduce what points I was conscious of when drawing it.



## How to draw a cover illustration

I will explain how I drew the cover illustration.

### How to draw

I will look at how I drew it, focusing on the hair.

The bangs are long enough to cover 80% of the eyes. This can give a strong impression when showing the right eye where the pupil is visible.

curve inward

Freshness has been added with a hairstyle that is rarely seen

I had a white head and felt lonely, so I tied up my side hair with a red ribbon. As a result, the side hair is pulled considerably, and the amount of hair is reduced, so the ears are visible, and the hairline is also visible.

The red eye on the right side of the screen keeps her hair out of her eyes. Never hangs over the center of the pupil

The hair hanging on the angel's ring is a cute point



### how to paint

I made an illustration with strong light. Since this is a cover illustration, the overall color is darkened in order to give a strong impression.

The ends of the hair, which are tied with a ribbon and spread out, are very cute. hanging down against gravity

Partly because it was finished with paint, the red eye on the right, which I wanted to draw attention to, is now hidden, making it very easy to attract attention.



You can check the making video that summarizes the process of over 10 hours in fast forward at the following URL. You can see the flow of drawing the cover illustration. You can also download the cover illustration data (CLIP file) with layers using the method on p.141.

• Video URL: <https://movie.sbcr.jp/pzkk/>





## COLUMN

### hair and light

Basically, the hair is curved, and the light hits the most at the vertex. Hair is a collection of fine hairs, so if you paint it in a jagged shape, it's a deformation. Also, even with round shadows, the hair will be expressed with a stronger deformation. It's fun to see how the light expresses itself differently depending on the pattern and how it's painted.

is. There

are red and purple circles in the right figure, indicating the location of the light source. How the light hits changes depending on the height and angle. Note that this will change your skin and clothes as well.

If you want to know what the light is like, place a 3D character in MMD (MikuMikuDance) Unity, Unreal Engine, etc. and set the light. If you want to know more about direct light, reflected light, rim light and more about lighting, buy the technical book.



The hair is often circular along the face. Draw the light accordingly

#### vertical line of light

A pattern that puts a vertical line of light in the hair. Since it is drawn assuming that the light is coming from the right side, the amount of light is large on the right side and decreases toward the left. This makes it very easy to see where the light is coming from. In the case of backlight, add light along the outline on the left side.



#### horizontal line light

A pattern that puts a horizontal line of light in the hair. Draw a line of light at the top of the curve of the hair, assuming that the light hits from the upper right. Depending on the illustration, it may be slightly moved up and down from the position of the vertex. The impression changes depending on how you draw it, such as making it thinner, jagged up and down, or dotted. Let's find a drawing method that matches the pattern.



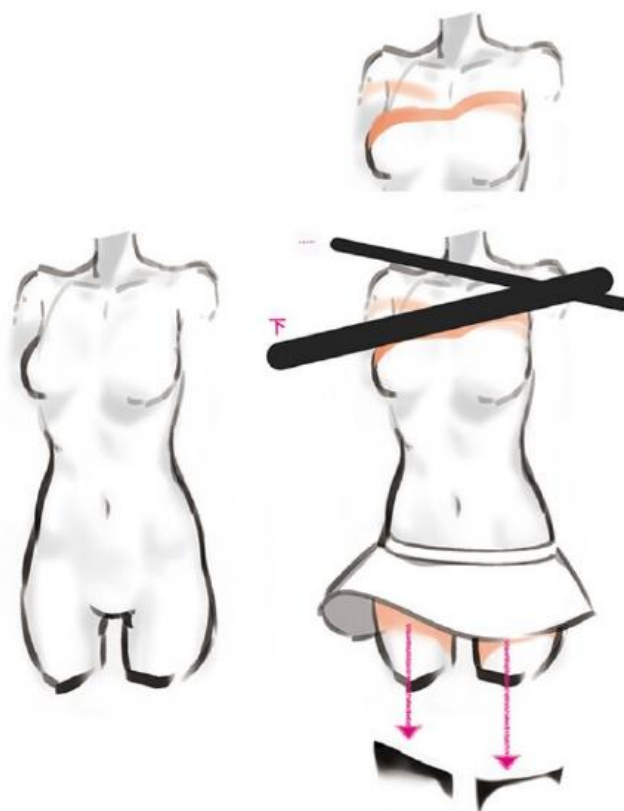


## COLUMN

### easy way to paint skin

#### body paint

The torso in the right figure is a shadow created by the two crossed bars above and below. The top bar is blurred because it is a shadow cast by a distant object that is far away from the body. The bottom bars are shadows cast by nearby objects, so they are sharp. We recommend using different brushes when applying. Objects with soft outlines and round shapes will have soft shadows. That's why the shadows of the body's muscles are soft and rounded. A skirt is added to the lower body. On the right side, the skirt is close to the skin, so it is dark and clear. The expression of the shadow changes depending on the distance from the skirt. These are when using blur, so if you use this way of painting. If the clothes are not painted in the same way, the skirt and the body will not be painted in the same way, and the illustration will be less complete. Let's unify the painting method as much as possible.



#### face painting

We will look at painting the face in three ways, A, B, and C.

##### A soft shadow

Soft shadows are included because the contours are rounded. I drew the nose with the "Paryi\_c" brush and the outline with the "Paryi\_d" brush.



##### B Sharp shadow

This is the same principle as the shadow cast from the bottom bar in the illustration above, and since the distance between the hair and skin is very close, the shadow casts a clear shadow. If there is a sharp shadow, it will give the impression of being deformed.

##### C A slightly sharp shadow

This was drawn with the "Paryi\_c" brush. Since there is a little distance between the skin and the hair, I use a brush that leaves a sharp impression while also giving a blurred impression.

As mentioned above, I use different brushes depending on the place. When I want to blur some parts, I solve it with a blur tool like the "Paryi\_b" brush.

About the author

## Paryi

character designer.

Involved in character design in various genres.

There are many original character illustrations on Twitter that exceed 10,000 RTs. Specializes in GIF illustrations using Live2D.

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pixiv : <https://www.pixiv.net/users/30816400>

bilibili: <https://space.bilibili.com/1576121>

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Cover illustration CLIP files and CLIP STUDIO

PAINT PRO/EX brush files are distributed on the

support page of this manual. Please see p.141 for

details. The making-of video is introduced on p.149.

doing.

Support page of this document

<https://isbn2.sbcr.jp/07166/>



## How to draw "hair" taught by Paryi

A drawing style that sticks to hairstyles

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Paryi

teaches with all her might

to

describe

use

1

# hair

style hair style  
Sticking to drawing



HOW TO DRAW HAIR

hair

Revealing all of

# Charadeza's divine skills!

Learn the basics of hair drawing at once!

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effect Bunch Hair tip Hair type

paint

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and

composition

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