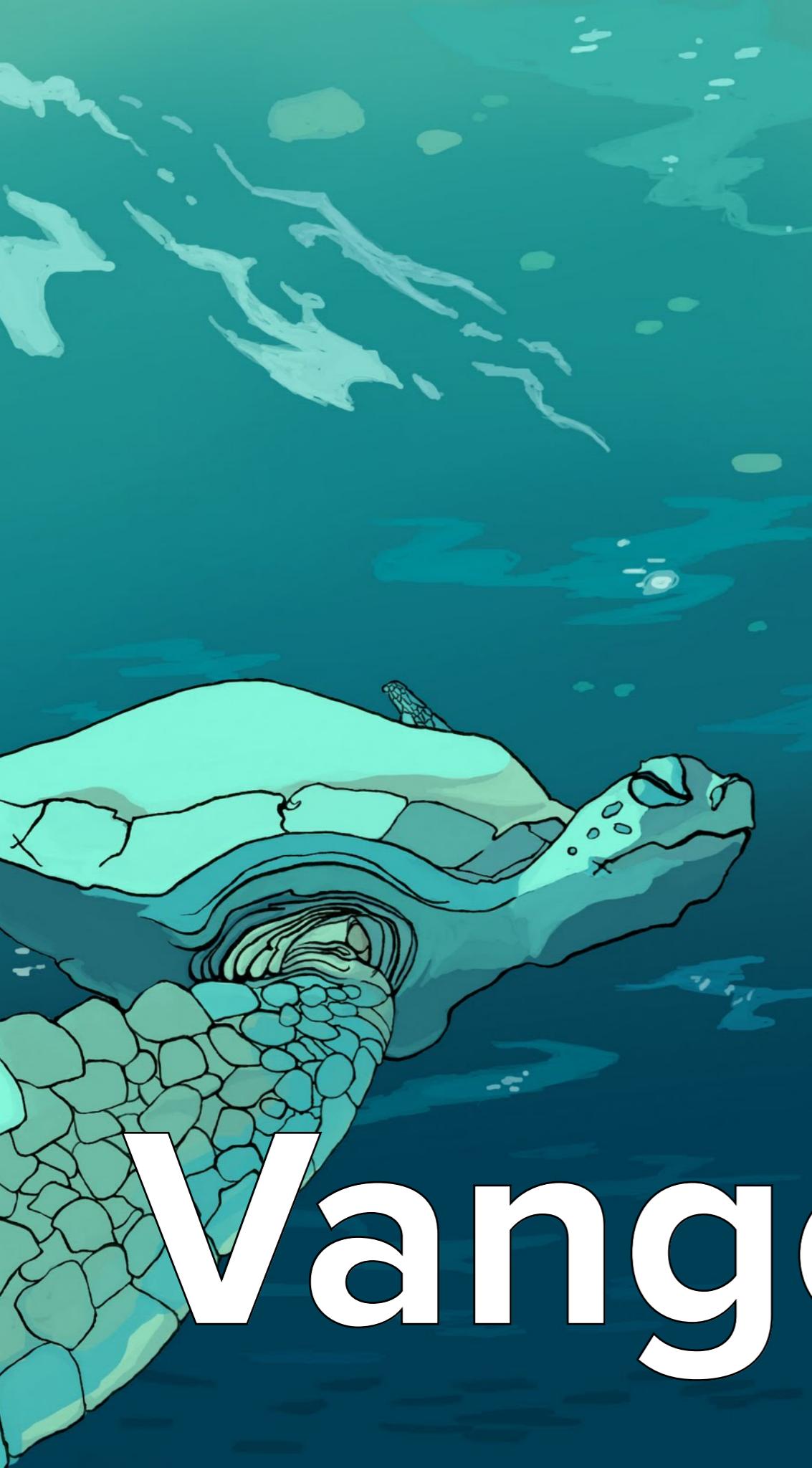


# **From drawing to code**

# **After this presentation, you will be able**

- To draw “basic” illustrations with basic shapes
- To mimic random illustrations with basic shapes
- To translate these illustrations into code (with precious CSS)



Vangelitz

## Who are you anyway?

- a UI Engineer
- a UX Designer
- a Product & Design Manager
- a **Skroutz** - er

From **drawing** to code

**A Drawing might  
look like this**



**or this ...**



Drawing you said,

**Do I need to know how  
to draw?**



# How we learned to draw as kids



Πρώτα κάνω ένα ωμέγα έεεετσι φουσκωτό

Μετά ένα μεγάλο λάμδα

Μέσα δύο μικρότερα

Τρεις βούλες για μάτια και μύτη

Δυο αυτιά

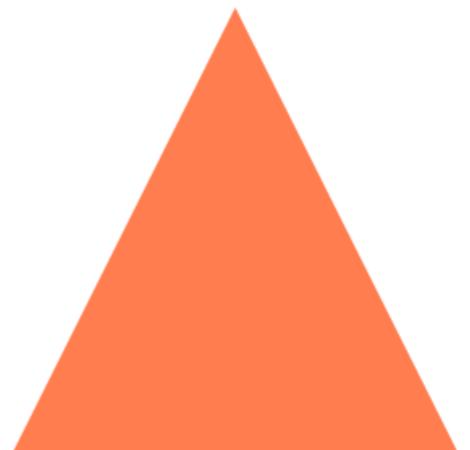
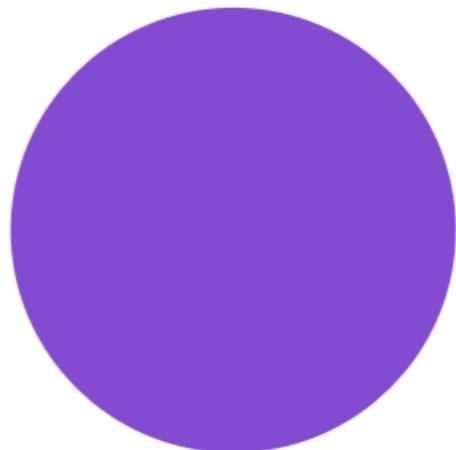
μια γλώσσα κι έτοιμος ο πίπης!



**Create illustrations  
with basic shapes**

# rule no 1

**It's all about  
“basic” shapes**



**An astronaut drawing**

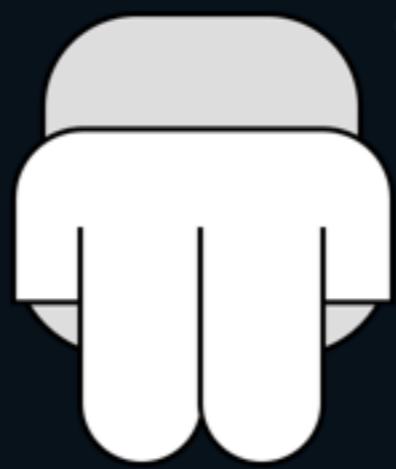


















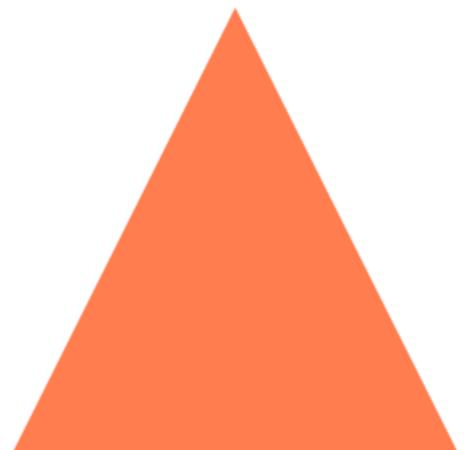
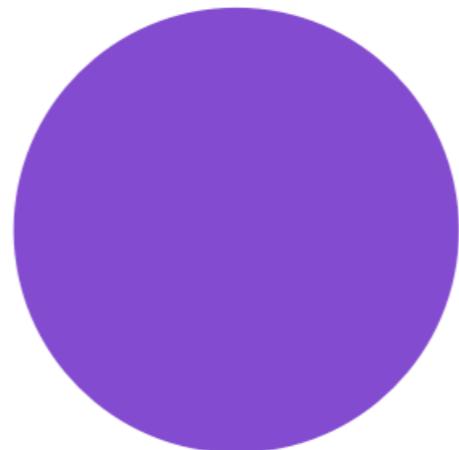


.....

**Mimic illustrations  
with basic shapes**

# rule no 1

**It's all about  
“basic” shapes**



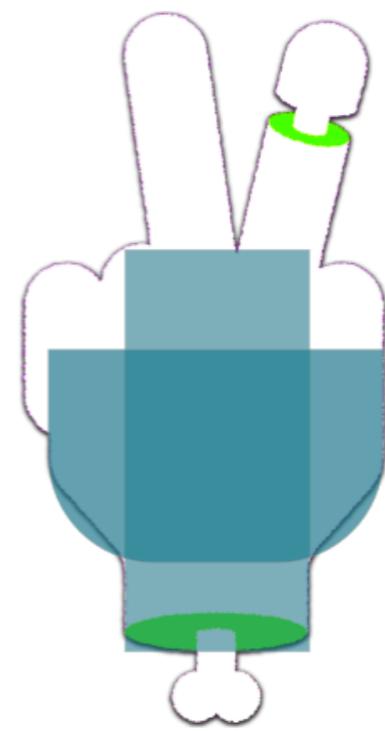
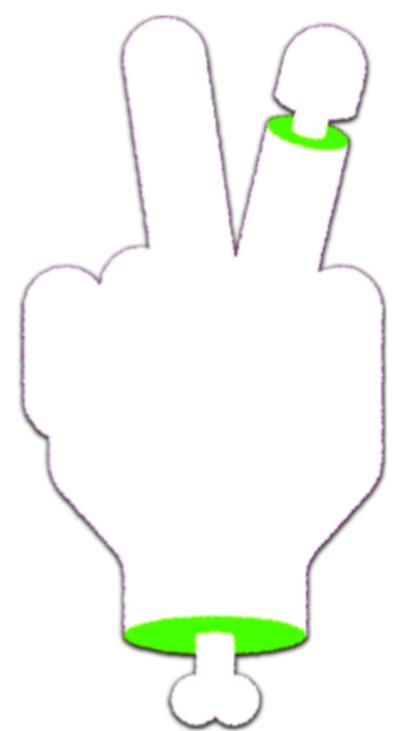
# rule no2

**Disassemble in  
order to assemble!**



**A random drawing  
I fished from the web**













**Translate illustrations  
into code**

# **What You will need**

- Codepen
- a random graphic you fished from the web
- (Really) Basic CSS knowledge
- patience

# Tips

- Don't use SVG (come on it's cheat)
- Use as much html you want (with caution)
- It's all about shapes (rectangles, circles etc)
- Disassemble in order to assemble
- Start simple, polish later
- Have fun!

**Let's pretend  
this is me**





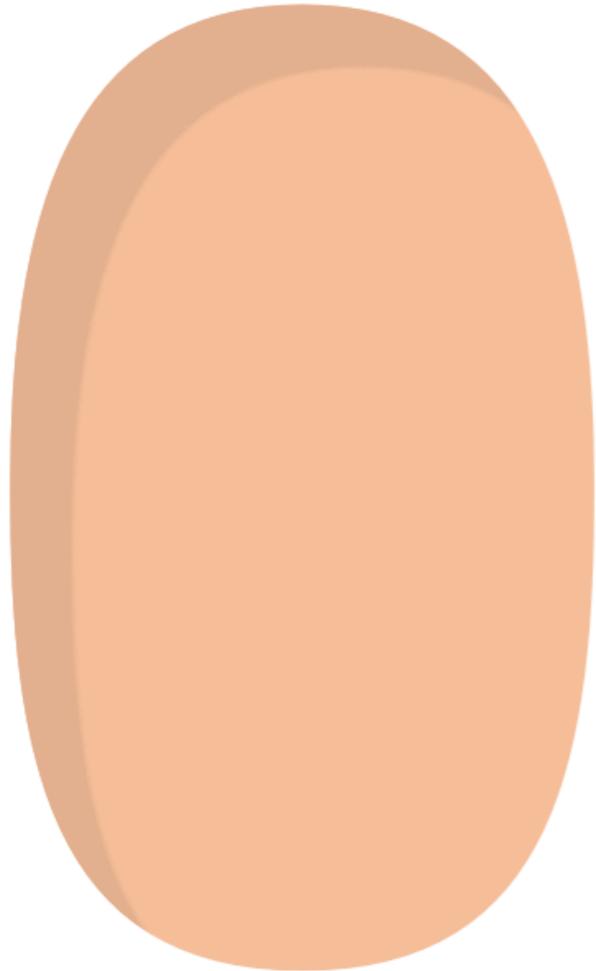
.....



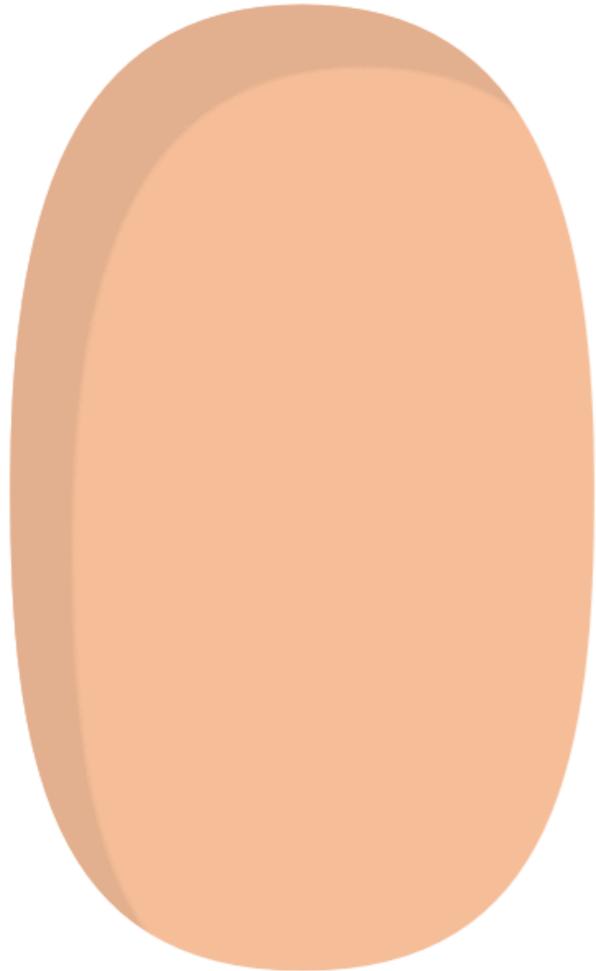
# **CSS rules you are mostly going to need**

- Rounded rectangles & Circles
- positioning
- Background colors & shadows
- z-indexing

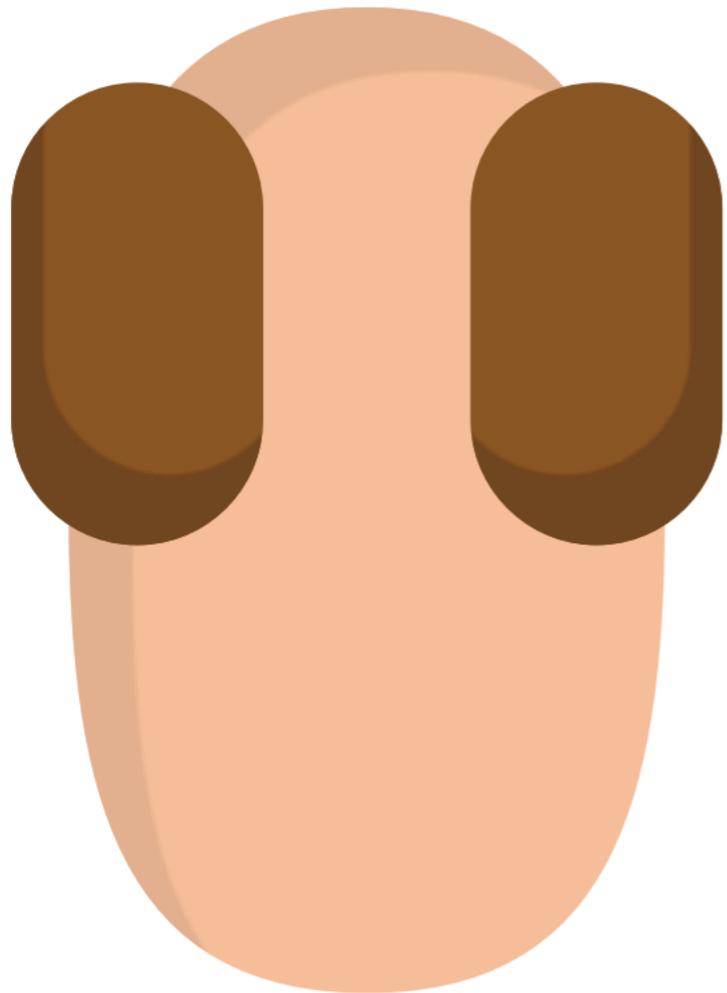




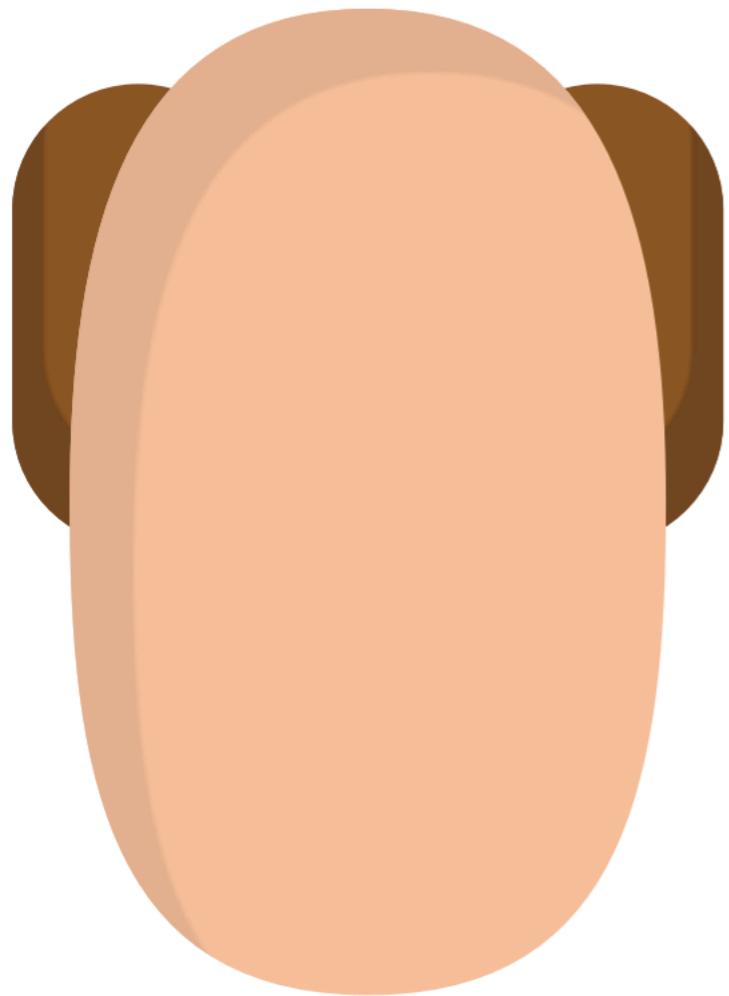
```
.head {  
    background: #F6C09D;  
    width: 187px;  
    height: 310px;  
    border-radius: 100px / 40%;  
    box-shadow: inset 20px 20px #f4b186;  
}
```



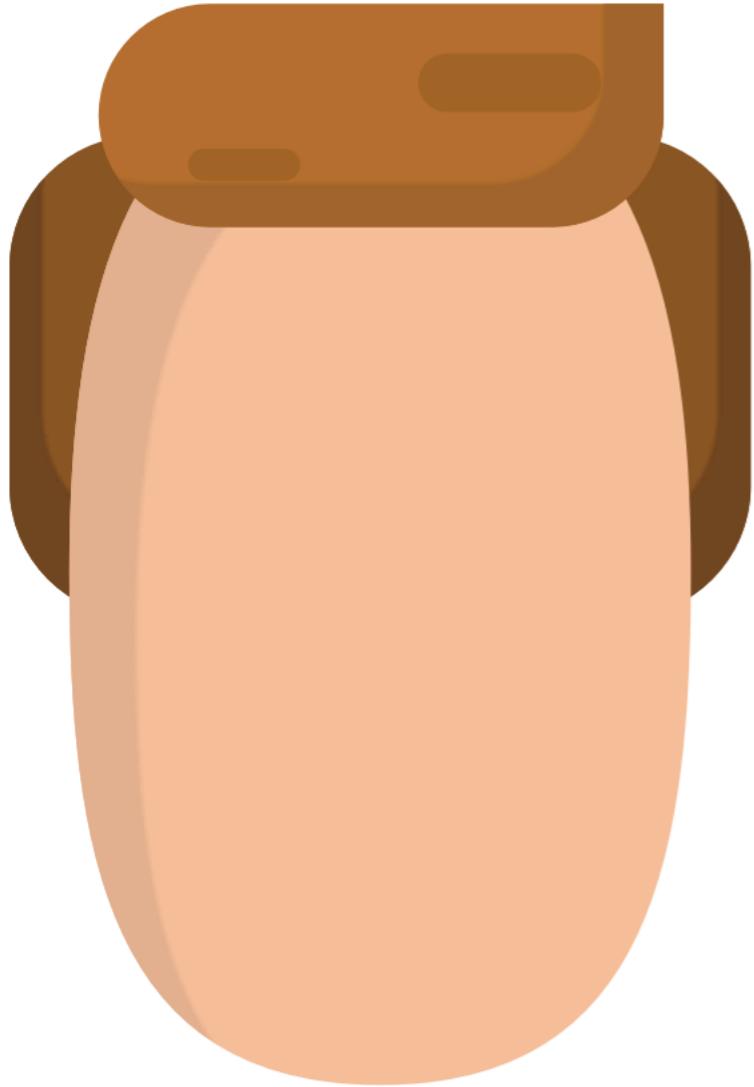
```
.head {  
    background: $somon;  
    width: 187px;  
    height: 310px;  
    border-radius: 100px / 40%;  
    box-shadow: inset 20px 20px darken($somon, 5);  
}
```



```
.hair-left {  
    background: $brown;  
    width: 80px;  
    height: 145px;  
    border-radius: 40px;  
    position: absolute;  
    top: 30px;  
    left: -20px;  
    box-shadow: inset 10px -20px darken($brown, 5);  
}
```



```
.hair-left {  
background: $brown;  
width: 80px;  
height: 145px;  
border-radius: 40px;  
position: absolute;  
top: 30px;  
left: -20px;  
box-shadow: inset 10px -20px darken($brown, 5);  
z-index: -1;  
}
```



```
.hair-front {  
    background: $brown;  
    width: 180px;  
    height: 70px;  
    border-radius: 30px 0 30px 30px;  
    position: absolute;  
    left: 50%;  
    transform: translateX(-50%);  
    top: -10px;  
    box-shadow: inset -25px -20px darken($brown, 5);  
}
```

too much repeated  
properties... **mixins to the rescue**

# shape

```
@mixin shape($background, $width, $height, $radius: "") {  
  background: $background;  
  width: $width;  
  height: $height;  
  border-radius: #{$radius};  
}
```

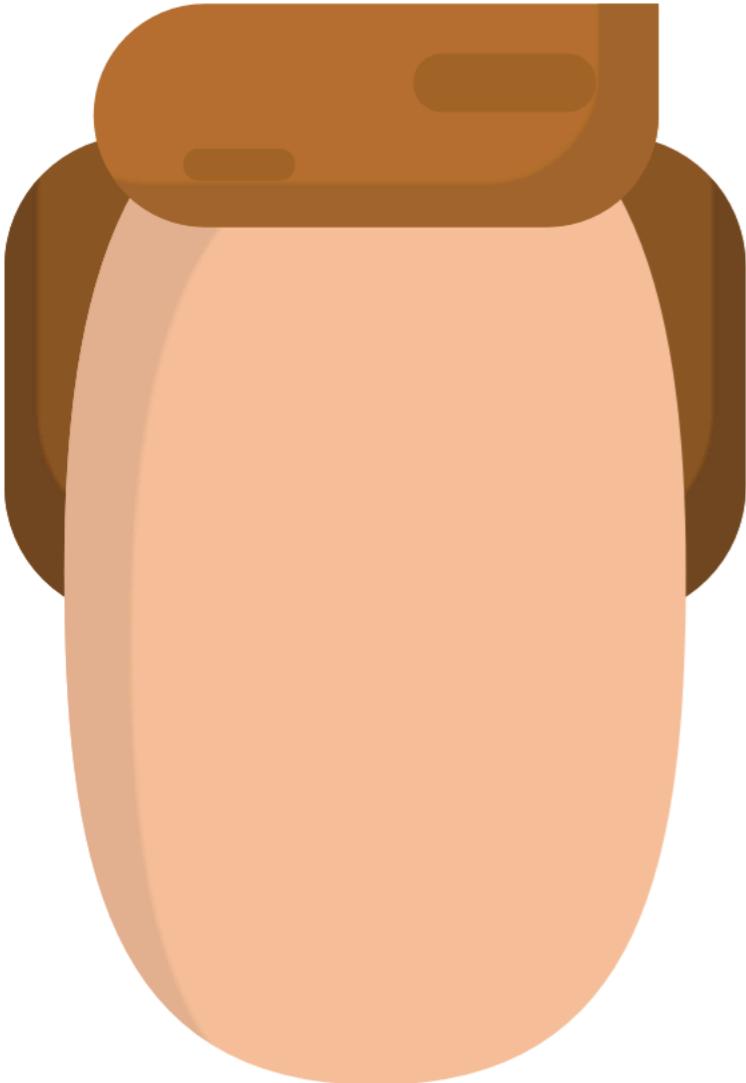
# position

```
@mixin center($position) {
  position: absolute;

  @if $position == both {
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
  }

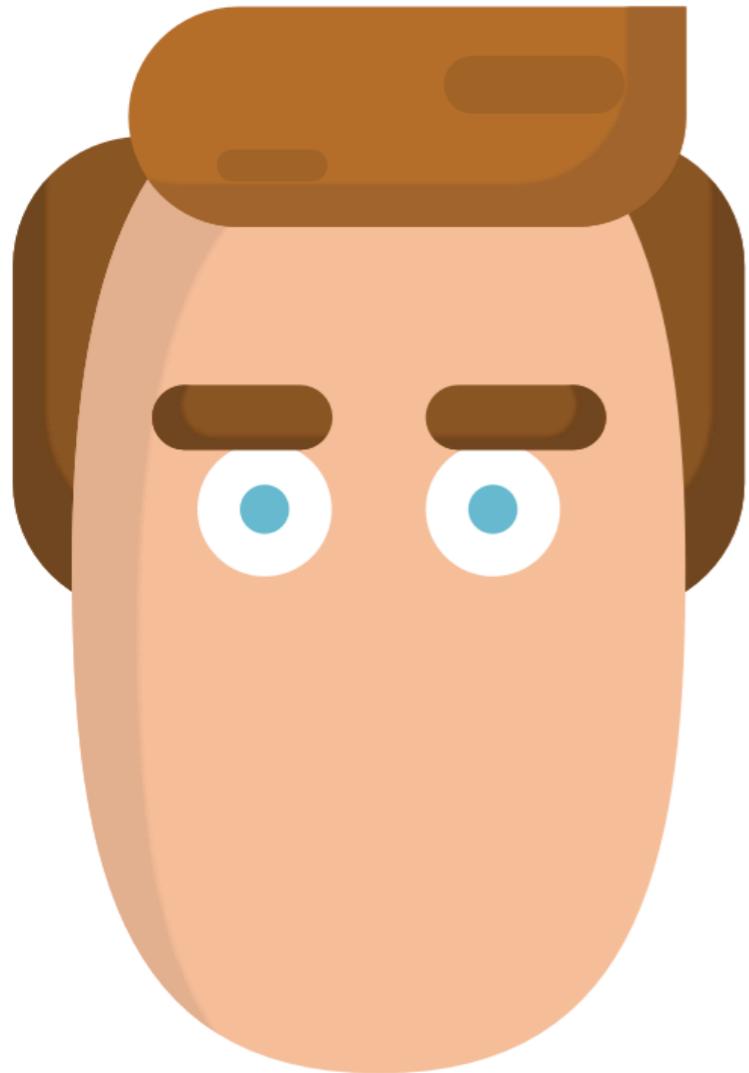
  @else if $position == vertical {
    top: 50%;
    transform: translatey(-50%);
  }

  @else if $position == horizontal {
    left: 50%;
    transform: translatex(-50%);
  }
}
```

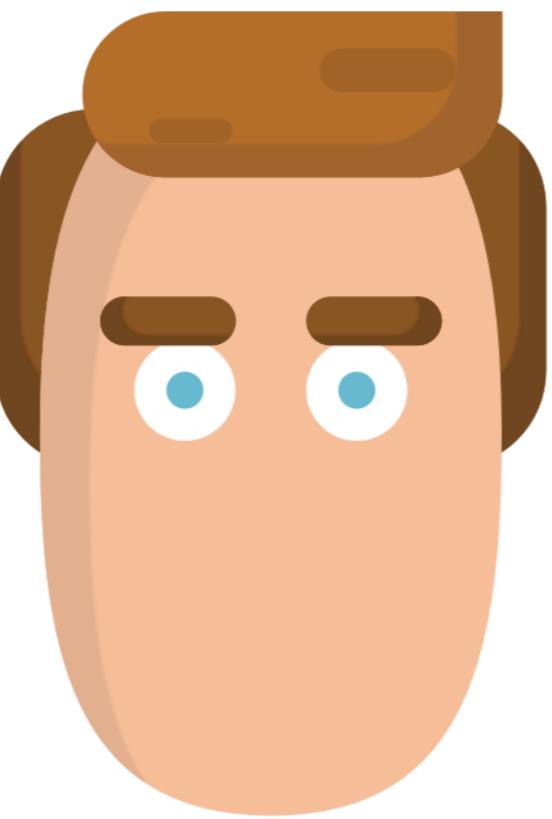
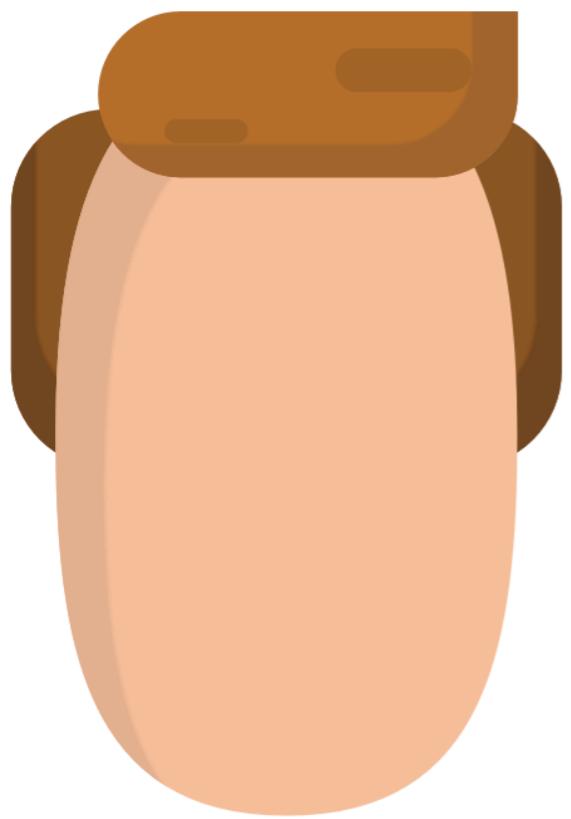


```
.hair-front {  
  background: $brown;  
  width: 180px;  
  height: 70px;  
  border-radius: 30px 0 30px 30px;  
  position: absolute;  
  left: 50%;  
  transform: translateX(-50%);  
  top: -10px;  
  box-shadow: inset -25px -20px darken($brown, 5);  
}
```

```
.hair-front {  
  @include shape($brown, 180px, 70px, "30px 0 30px 30px");  
  @include center(horizontal);  
  top: -10px;  
  box-shadow: inset -25px -20px darken($brown, 5);  
}
```



```
.eye {  
  @include shape($white, 40px, 40px, 50%);  
  @include center(vertical);  
  left: 35px;  
  z-index: 1;  
  
  // eye pupil  
  
  &:before {  
    content: "";  
    @include shape($blue, 15px, 15px, 50%);  
    @include center(both);  
  }  
  
  // eyebrow  
  
  &:after {  
    content: "";  
    @include shape($dark-brown, 55px, 20px, 10px);  
    position: absolute;  
    top: -15px;  
    right: 0;  
    box-shadow: inset 5px -5px darken($light-brown, 5);  
    transform: rotate(-5deg);  
  }  
}
```











<https://codepen.io/srekoble/pen/ZEYGzKm>

## **But why?**

- Experiment with properties (grid, gradients, shadows etc)
- Train your ability to write as few styles as possible
- Train your ability to write as few markup as possible
- Train your ability to split something into pieces

## **But why?**

There's no good reason other than fun, just because, and art"

**Diana Smith**





<https://codepen.io/srekoble/details/WNNdLqO>



<https://codepen.io/srekoble/details/GwzeKJ>



<https://codepen.io/srekoble/pen/Lqwdrb>



<https://codepen.io/srekoble/pen/LMjqgQ>



**Congrats, you are a css Artist!**

**Thank you**

[codepen.io/srekoble](http://codepen.io/srekoble)

[twitter/vangeltzo](https://twitter.com/vangeltzo)

[dribbble.com/vangeltzo](https://dribbble.com/vangeltzo)

[vangeltzo.com](http://vangeltzo.com)