
CSS 101

What is CSS

Cascading Style Sheets

It makes things look good

Tools

Text editor (not Word!!)

Browser

CSS validator

Contrast checker

Basic structure

```
selector(s) {  
    property-name: value;  
}
```

```
p,  
#footer,  
.call-to-action a {  
    background-color: #989800;  
    font-weight: bold;  
}
```

Types of selectors

class (BEST!)

`.btn-primary`

attribute (GOOD TOO)

`[data-type="carousel"]`

id (OK)

`#shippingAddress`

element (WORST!)

`h1`

pseudo

`:hover`

Logic of style

Inheritance > Cascade > Specificity

Inheritance

Child inherits parent's style

```
body { color: orange; }
```

Not all styles

Lorem ipsum dolor sit amet, onsectetur
adipisicing elit, sed do eiusmod tempor
incididunt ut labore et dolore magna
aliqua.

Cascading

style defined

```
p { color: blue; }
```

style changes

```
aside p { color: green; }
```

it changes again

```
aside .cta p { color: orange; }
```



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Specificity

It's math

[a, b, c, d]

- a. style is in the HTML = 1
- b. there is an id = 1
- c. # of classes/attributes
- d. # of elements

style=""	1,0,0,0 (most)
#foo	0,1,0,0
li.foo.bar	0,0,2,1
ul li.bar	0,0,1,2
div ul+li	0,0,0,3
ul li	0,0,0,2
li	0,0,0,1
browser style	0,0,0,0 (least)

Chaining rules-of-thumb

because css parses right to left

- no more than two per chain
- don't use elements

less specificity = less trouble

time for a new class?

Chaining selectors

Descendant

`div p`

Child

`div > p`

Adjacent sibling

`div + p`

General sibling

`div ~ p`

Descendant selector ()



.doll-1 .doll

Child selector (>)



`.doll-1 > .doll`

Adjacent sibling selector (+)



`.doll-3 + .doll`

General sibling selector (~)



Properties

almost 200!!

main categories:

- text styling
 - background and border
 - sizing
 - margin and padding
 - placement
 - many more!!
-

Styling text

color

`color: #ffcc01;`

font-family

`font-family: Arial;`

font-weight

`font-weight: bold;`

font-size

`font-size: 1.4rem;`

Sizing fonts

Fonts and line-height relative

Don't use pixels, points

Do use:

- rem (or em)
 - ex
 - decimal
 - percentage
-

Size

```
div {  
    width: 330px;  
    height: 100px;  
}
```



Background and border

```
div {  
    background-color: #f46524;  
    border: 4px solid black;  
}
```



Float

Text and objects flow around

How to stop it

- clearfix? NO!!!
- overflow: hidden;

Display

width, height, border, padding the same



```
display: block;
```

```
display: inline;
```

followed by

```
display: inline-block;
```

and more

text after that. Notice that the text wraps to a new page below the tallest thing in the line.

:focus

Never set it to none

Needed for people who can't use a mouse

Style it your way

Responsive design

Responds to width

Starts out responsive

One HTML document for all devices

Style based on width
