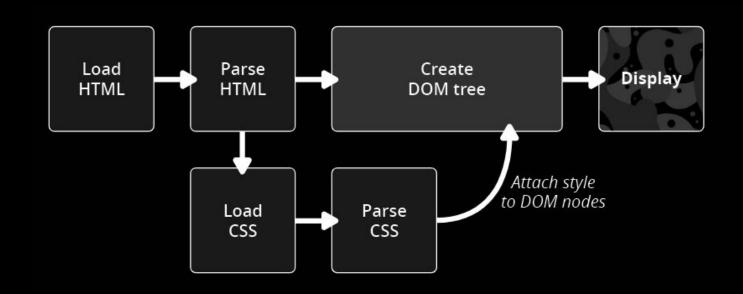
{ CSS }

Cascading Style Sheets

language to specify how documents are presented

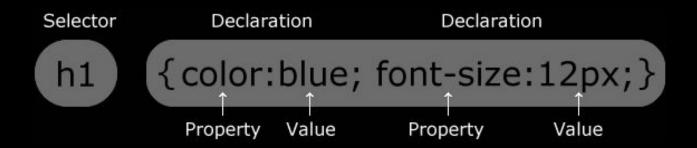
csszengarden.com

How it works?



7 / F jit.team 2018

Syntax



Inline styles

```
index.html
                                                       https://localhost/
                                              I'm learning to code!
1 v I'm learning to code!
```

<style> tag

```
index.html
                           style.css
                                                                    https://localhost/
                                                        I'm bigger and red too.
     <style>
       p {
         color: red;
         font-size: 20px;
       }
     </style>
9 ▼ <body>
     I'm bigger and red too.
   </body>
```

The **.css** file

```
index.html
                                    style.css
                                                                        https://localhost/
     <!DOCTYPE html>
                                                            I took style from external file.
 2 ▼ <html>
       <head>
         <title>Hello World</title>
         <link href="./style.css" type="text/css"</pre>
     rel="stylesheet">
       </head>
                                                         index.html
                                                                                         X
                                                                                              style.css
       <body>
         I took style from external file.
                                                           1 * p {
       </body>
                                                                 font-family: Arial;
     </html>
                                                                 color: red;
```

Tag name



Class name

```
Sole Shoe Company
```

```
<h1 class="green bold"> ... </h1>
```

```
.green {
  color: green;
}
.bold {
  font-weight: bold;
}
```

ID name

```
<h1 id="large-title"> ... </h1>
```

```
#large-title {
```

IDs and Classes

- IDs **override** the styles of tags and classes.
- IDs are **UNIQUE**, but classes not
- There are no browser defaults for any ID or Class
- http://yourdomain.com#comments
- Elements can have BOTH

Chaining selectors

```
X
          index.html
                             X
                                  style.css
                                                                    https://localhost/
     <!DOCTYPE html>
                                                        My header
 2 ▼ <html>
       <head>
         <meta charset="UTF-8" />
        <title>My web page title</title>
         <link href="./style.css" type="text/css"</pre>
     rel="stylesheet" />
       </head>
                                                     h1.special {
       <body>
         <h1 class="special">My header</h1>
       </body>
     </html>
```

Nested elements

```
X
        index.html
                        X
                           style.css
                                                       https://localhost/
 1 ▼ 

    First item

     First item

    Second one

                                                · And third
     Second one
     And third
    1 ▼ .main-list li {
                                    color: teal;
                                    font-weight: bold;
```

Specificity

Specificity is the order by which the browser decides which CSS styles will be displayed.

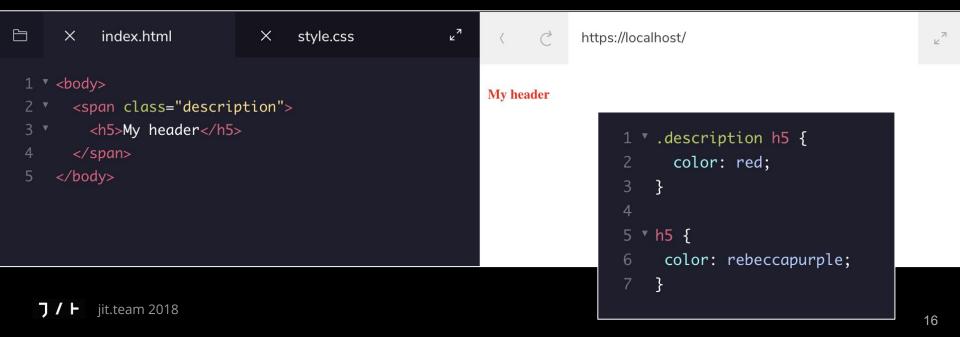
```
<h1 class="headline">Breaking News</h1>
```

What about IDs?

```
h1 {
   color: red;
}
.headline {
   color: firebrick;
}
```

Chaining and specificity

Adding more than one tag, class, or ID to a CSS selector increases the specificity of the CSS selector.



!Important

```
X
          index.html
                              X
                                   style.css
                                                                      https://localhost/
 1 ▼ <body>
                                                          My header
       <span class="description">
         <h5>My header</h5>
       </span>
     </body>
                                          .description h5 {
                                             color: red;
                                      5 ▼ h5 {
                                           color: rebeccapurple!important;
          jit.team 2018
```

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Multiple selectors

```
h1 {
  font-family: Georgia;
}
.menu {
  font-family: Georgia;
}
```

```
h1,
.menu {
  font-family: Georgia;
}
```

Basic properties

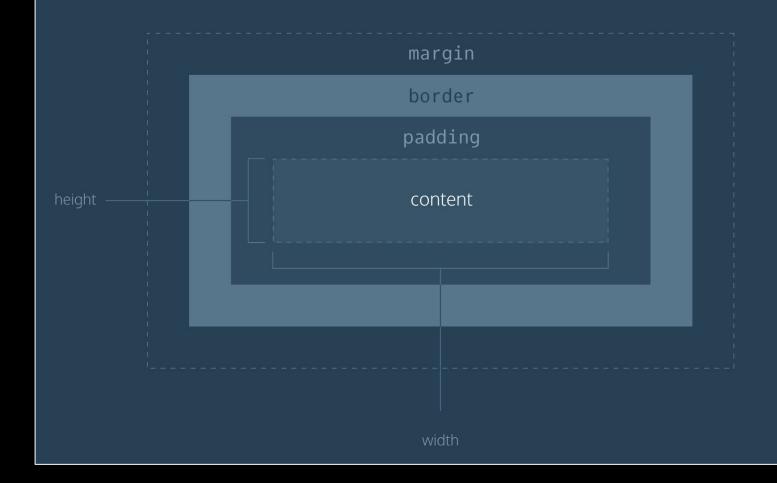
color: white, #FFF, rgb(255, 255, 255) opacity: 0.5

background-color: black background-image: url("./image.png")

font-family: Times New Roman font-weight: bold, normal

font-size: 18px, 2em, 3rem text-align: right, center, left

Box model



Box model

```
index.html
      X
          style.css
                                                              C
                                                                   https://localhost/
 1 ▼ div {
       background-color: yellow;
       width: 250px;
       height: 100px;
       border: 25px solid black;
       padding: 25px;
       margin: 50px;
                          padding: 6px 11px 4px 9px;
                            margin: 0 auto;
```

Box model

```
p {
    min-width: 300px;
    max-width: 600px;
}
```

The width of all paragraphs will not shrink below 300 pixels, nor will the width exceed 600 pixels.

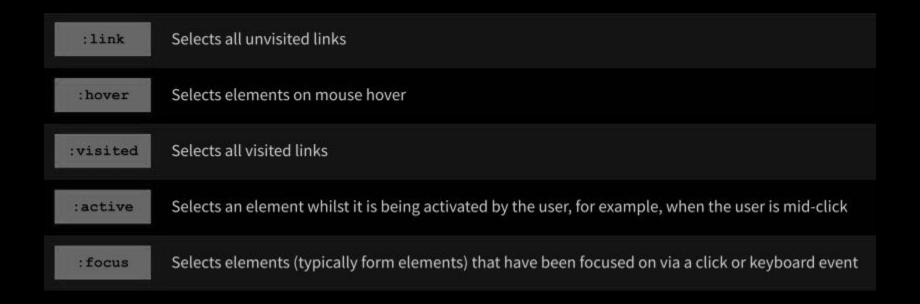
Overflow

Lorem ipsum dolor amet next level banh mi actually etsy craft beer. Portland meh palo santo pitchfork wayfarers raclette kinfolk try-hard YOLO. Lo-fi cred pork belly, cloud bread artisan heirloom raw denim kombucha. Godard etsy ugh, letterpress roof party fingerstache succulents edison bulb. Iceland disrupt palo santo fixie hella taiyaki celiac green juice

Lorem ipsum dolor amet next level banh mi actually etsy craft beer. Portland meh palo santo pitchfork wayfarers raclette kinfolk try-hard YOLO. Lo-fi cred pork belly, cloud bread artisan heirloom raw denim kombucha. Godard etsy ugh, letterpress roof Lorem ipsum dolor amet a next level banh mi actually etsy craft beer. Portland meh palo santo pitchfork wayfarers raclette kinfolk try-hard YOLO. Lo-fi cred pork belly, cloud bread artisan heirloom raw Lorem ipsum dolor amet a next level banh mi actually etsy craft beer. Portland meh palo santo pitchfork wayfarers raclette kinfolk try-hard YOLO. Lo-fi cred pork belly, cloud bread artisan heirloom raw denim kombucha.

visible hidden scroll overflow-y

Pseudo-classes





Pseudo-elements

```
div:before {
   content: "";
}

div:after {
   content: "";
}
```

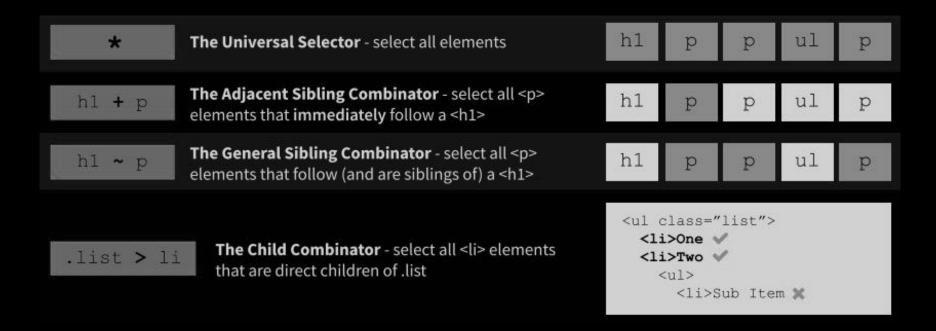
The **:before** and **:after** pseudo-elements allow you to insert content before or after any HTML element that isn't self closing (like and <input>).

The content property is required but can be left blank.

These pseudo-elements can be treated and styled like any other element.

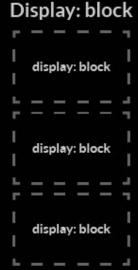


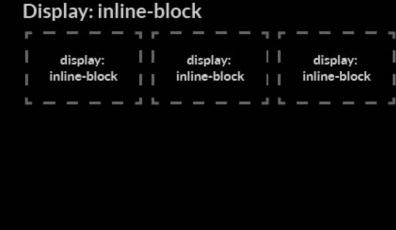
Combinators



Categories of HTML elements

Display: inline display: inline display: inline display: inline display: inline





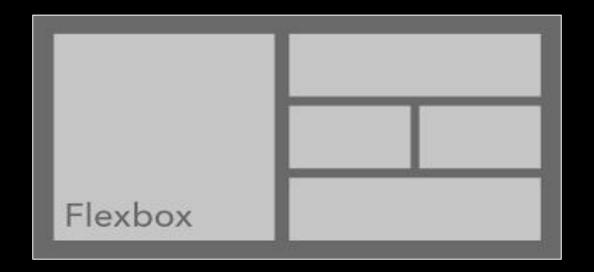
Media queries



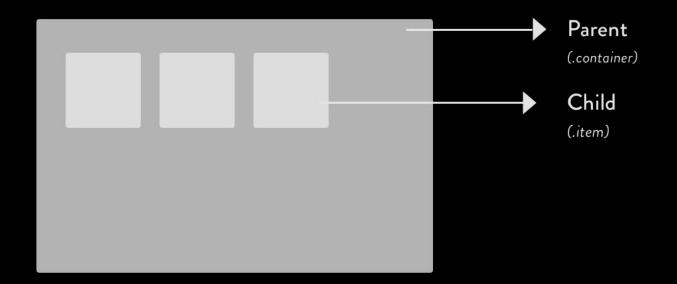
```
X
          style.css
    /* Large desktop */
    @media (min-width: 1200px) {
      /* CSS Classes */
    /* Portrait tablet to landscape and desktop */
    @media (min-width: 768px) and (max-width: 979px)
      /* CSS Classes */
    /* Landscape phone to portrait tablet */
    @media (max-width: 767px) {
      /* CSS Classes */
    /* Landscape phones and down */
    @media (max-width: 480px) {
      /* CSS Classes */
16
```

Flexible Box Layout Module

Flexbox - makes easier to design flexible responsive layout structure



Flexbox



Flexbox

Flex container properties: Flex item properties:

flex-direction order

flex-wrap flex-grow

flex-flow flex-shrink

justify-content flex-basis

align-items flex

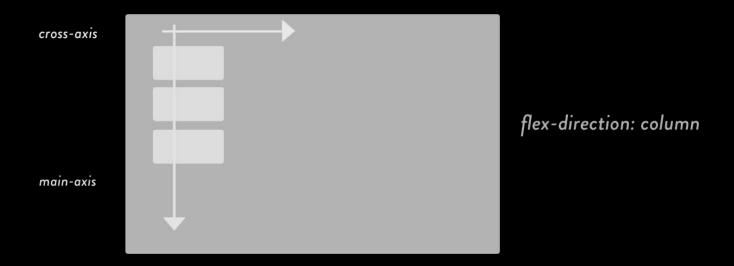
align-content align-self

Flexbox

```
1 * .flex-container {
2    display: flex;
3 }
```



Flexbox flex-direction



Flexbox flex-direction

```
1 * .flex-container {
2    display: flex;
3    flex-direction: column;
4 }
```

flexboxfroggy.com

Workshop #1

First page

postcards list polishing

Workshop #2

Second page

postcards share form polishing