

CSS

Building a Website 2018

yesterday we made some web pages

we talked about:

HTML structure

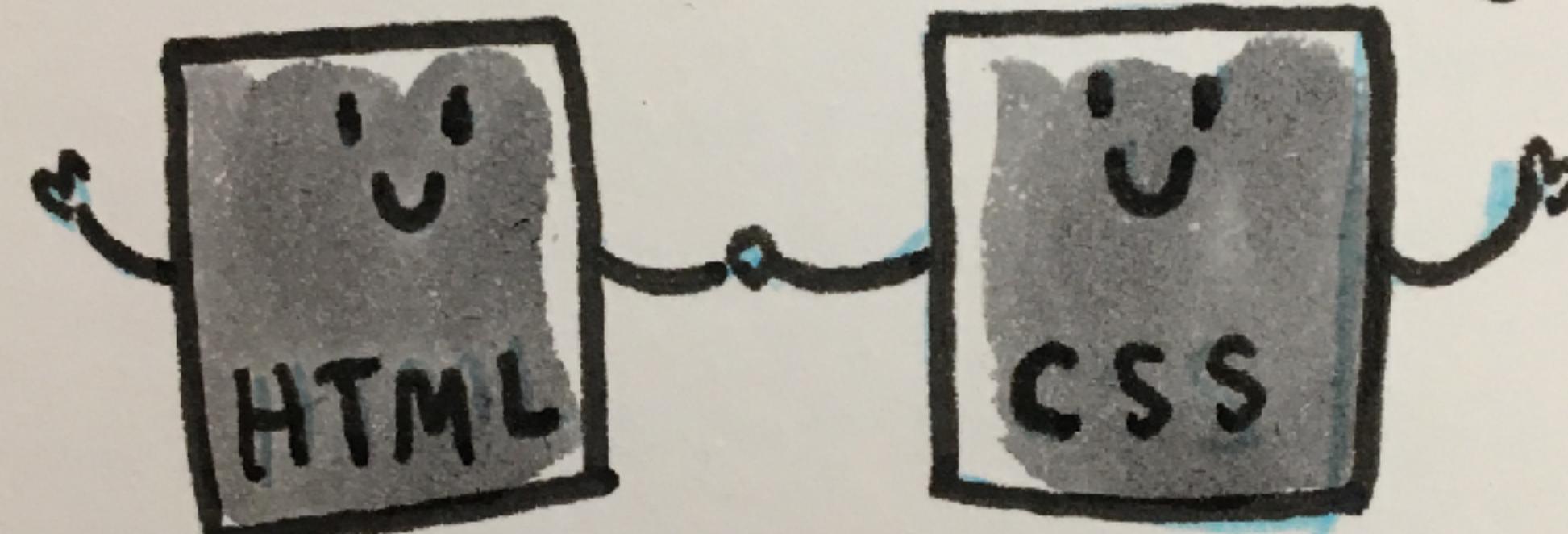
elements

tags

attributes

The image shows a large, stylized word "style" in a bold, sans-serif font. The letters are rendered with a 3D effect, appearing to be built from numerous small, square blocks or pixels. The color palette consists of various shades of teal and cyan, giving it a digital or pixelated appearance. The letters are slightly slanted, creating a sense of depth and perspective.

a beautiful
FRIENDSHIP

The illustration features two gray square icons with black outlines. Each icon has a simple face with two dots for eyes and a curved line for a smile. The icon on the left is labeled "HTML" in black capital letters, and the one on the right is labeled "CSS". They are positioned below the word "FRIENDSHIP" and are holding hands, with small blue arms and hands drawn on the sides of the squares.

HTML determines what's
on the page

css determines what it
looks like

the *background*

CSS stands for
cascading style sheet



rules



JS



CSS



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Duck

Duck is the common name for a large number of species in the waterfowl family Anatidae, which also includes swans and geese.[More at Wikipedia](#) [WMore at Wikipedia](#)

v
v



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v
v



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Duck

Duck is the common name for a large number of species in the waterfowl family Anatidae, which also includes swans and geese. [More at Wikipedia](#)



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Duck - Wikipedia

Duck is the common name for a large number of species in the waterfowl family Anatidae, which also includes swans and geese. **Ducks** are divided among several subfamilies in the family Anatidae; they do not represent a monophyletic group (the group of all descendants of a single common ancestral species) but a form taxon, since swans and geese are ...

W <https://en.wikipedia.org/wiki/Duck>

ducks.org - World Leader in Wetlands & Waterfowl Conservation

Ducks Unlimited conserves, restores, and manages wetlands and associated habitats for North America's waterfowl. These habitats also benefit other wildlife and people.

[https://www.ducks.org](#)

Official Anaheim Ducks Website | NHL.com

The most up-to-date breaking news for the Anaheim **Ducks** including highlights, roster, schedule, scores and archives.

[ducks.nhl.com](#)

Different Duck Types With Examples

Do you know the 12 different types of **ducks**? Learn what makes each one distinct and which **ducks** are which.

[https://www.thespruce.com/types-of-ducks-387310](#)

Anaheim Ducks Schedule | Anaheim Ducks

The official calendar schedule of the Anaheim **Ducks** including ticket information, stats, rosters, and more.

[https://www.nhl.com/ducks/schedule](#)

CSS

Cascading Style Sheet. A style sheet language used to for describing the presentation of a document written in a markup language (such as HTML)

HTML

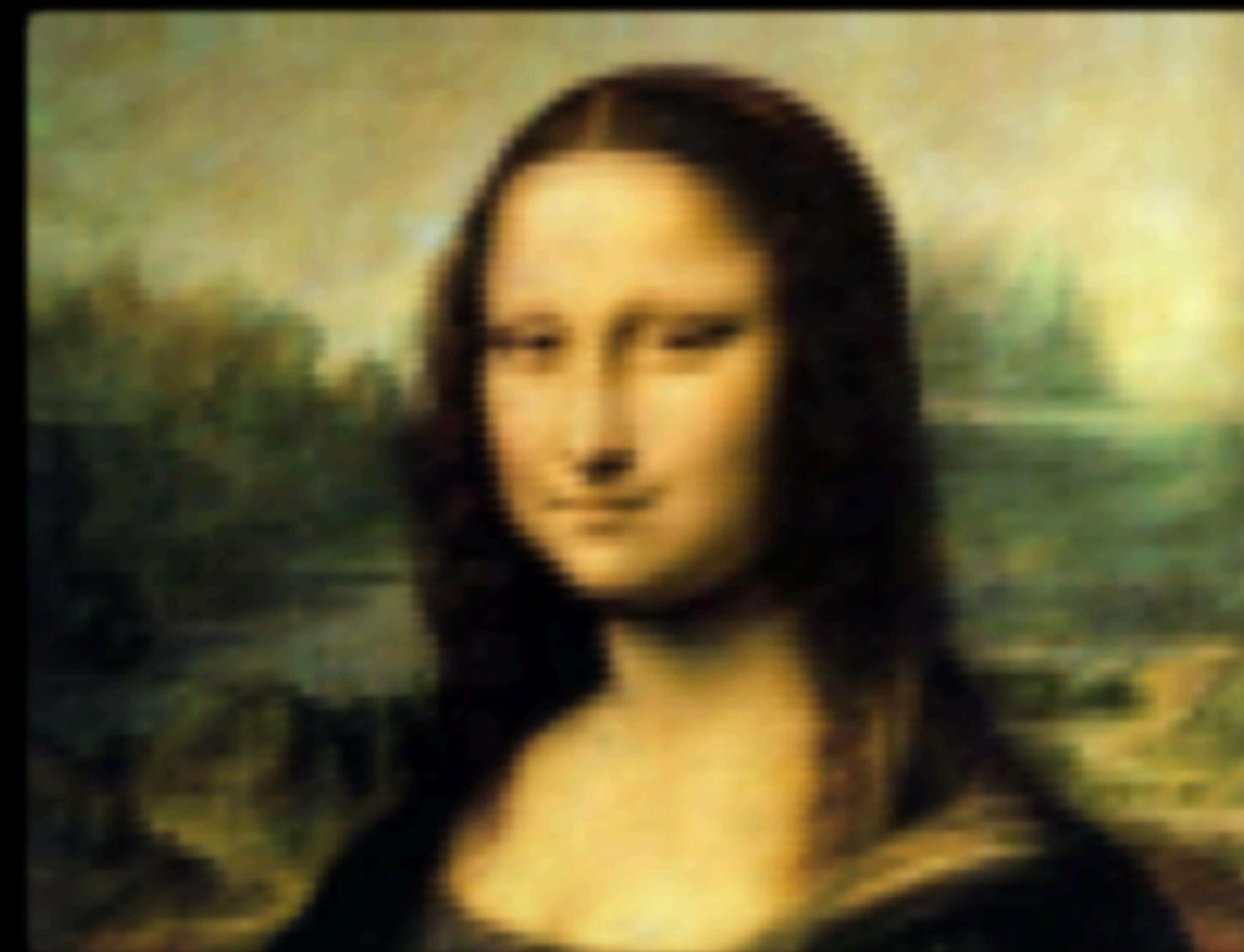
```
1 <div id="monalisa" />
```

CSS

```
1 body {  
2   background: black;  
3 }  
4 #monalisa {  
5   position: absolute;  
6   top: 30px;  
7   left: 50%;  
8   margin-left: -200px;  
9   width: 0;  
10  height: 0;  
11  box-shadow:  
12    0px 0px 4px 5px #6C6E47,  
13    5px 0px 4px 5px #686B42,  
14    10px 0px 4px 5px #6E7146,  
15    15px 0px 4px 5px #6F7244.
```

JS

```
1 /*  
2  Mona Lisa with pure CSS  
3  Pointless but fun!  
4  
5  Of course, it's not handcrafted.  
6  Here is my code:  
7  https://github.com/jaysalvat/image2css  
8 */
```

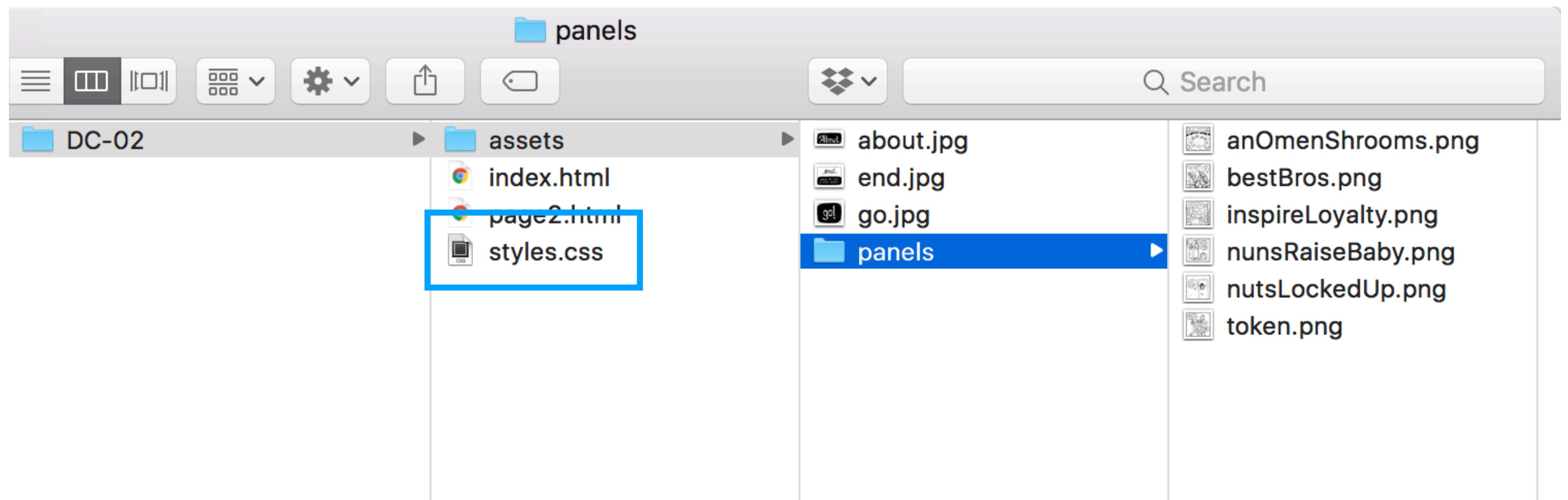


the conceptual

a **stylesheet** is an **asset**

“The separation of document structure from the document's layout had been a goal of HTML from its inception in 1990”

– W3C.org



every website we make in this class will
be styled with CSS

CSS is written as a **text document**
with its own **structure** and **syntax**

```
1 /*Styles for biosite2018*/
2
3 * {
4     padding: 0;
5     margin: 0;
6     font-family: 'Muli', sans-serif;
7 }
8
9 header h1 {
10    display: inline-block;
11    background-color: #FF6476;
12    padding: .35em;
13    padding-top: .75em;
14    color: white;
15    font-weight: 600;
16 }
17
18 header h2 {
19    padding-bottom: .2em;
20    font-weight: 600;
21 }
22
23 header ul {
24    list-style-type: none;
25    margin-top: 1.25em;
26 }
27
28 header li {
29    font-size: 1.15em;
30    margin-bottom: .25em;
31    padding-bottom: .41em;
32 }
```

CSS stands for
cascading style sheet

/*Styles for biosite2018*/

```
1
2
3 * {
4     padding: 0; ← original rule
5     margin: 0;
6     font-family: 'Muli', sans-serif;
7
8
9 header h1 {
10    display: inline-block;
11    background-color: #FF6476;
12    padding: .35em; ←
13    padding-top: .75em;
14    color: white;
15    font-weight: 600;
16
17
18 header h2 {
19    padding-bottom: .2em;
20    font-weight: 600;
21
22
23 header ul {
24    list-style-type: none;
25    margin-top: 1.25em;
26
27
28 header li {
29    font-size: 1.15em;
30    margin-bottom: .25em;
31    padding-bottom: .41em;
32
33 }
```



CSS vocabulary

selector

property

value

selector

used to target HTML elements

selector

```
20  
21 body {  
22   position: relative;  
23   padding-bottom: 8rem;  
24   min-height: 100%;  
25 }  
26
```

selector

```
27 a {  
28   color: #FF6476;  
29 }  
30  
31 a:hover {  
32   color: #DD001A;  
33 }  
34
```

selector

```
35 header {  
36   width: 100%;  
37   display: flex;  
38   flex-wrap: wrap;  
39   justify-content: center;  
40   margin-bottom: 1em;  
41   color: #707070;  
42 }  
43  
44 header h2, ul, li {  
45   display: inline-block;  
46   margin: 1em;  
47 }  
48
```

property

determines what aspect of an element
to be changed

property

```
21 body {  
22   position: relative;  
23   padding-bottom: 8rem;  
24   min-height: 100%;  
25 }  
26  
27 a {  
28   color: #FF6476;  
29 }  
30  
31 a:hover {  
32   color: #DD001A;  
33 }  
34  
35 header {  
36   width: 100%;  
37   display: flex;  
38   flex-wrap: wrap;  
39   justify-content: center;  
40   margin-bottom: 1em;  
41   color: #707070;  
42 }  
43  
44 header h2, ul, li {  
45   display: inline-block;  
46   margin: 1em;  
47 }  
48
```

property

property

value

how the property is determined

```
20
21   body {
22     position: relative; ← value
23     padding-bottom: 8rem;
24     min-height: 100%;
25   }
26
27   a {
28     color: #FF6476; ← value
29   }
30
31   a:hover {
32     color: #DD001A; ← value
33   }
34
35   header {
36     width: 100%; ← value
37     display: flex;
38     flex-wrap: wrap;
39     justify-content: center;
40     margin-bottom: 1em;
41     color: #707070; ← value
42   }
43
44   header h2, ul, li {
45     display: inline-block; ← value
46     margin: 1em; ← value
47   }
48
```

CSS is fairly forgiving

the practical

in today's demo

selectors

text elements

<a>

properties

display

background(s)

sizing

text

values

color

size units

images

repeats



Secure | <https://developer.mozilla.org/en-US/>

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CSS reference - CSS: Cascading Style Sheets | MDN

<https://developer.mozilla.org/en-US/docs/Web/CSS/Reference> ▾

Feb 13, 2018 - Use this CSS reference to browse an alphabetical index of all the standard CSS properties, pseudo-classes, pseudo-elements, data types, and ...

CSS Properties Reference

The following is a basic list of the most common CSS ...

CSS property

The all CSS shorthand property sets all of an element's ...

[More results from mozilla.org »](#)

Attr

The attr() CSS function is used to retrieve the value of an ...

Position: absolute

The position CSS property specifies how an element is ...

CSS: Cascading Style Sheets | MDN

<https://developer.mozilla.org/en-US/docs/Web/CSS> ▾

Jun 11, 2018 - Cascading Style Sheets (CSS) is a stylesheet language used to describe the ... Web developers describes every property and concept of CSS.

Custom properties (--*) - CSS: Cascading Style Sheets | MDN

https://developer.mozilla.org/en-US/docs/Web/CSS/Custom_properties ▾

A

`:active`

`additive-symbols (@counter-style)`

`::after (:after)`

`align-content`

`align-items`

`align-self`

`all`

`<an-plus-b>`

`<angle>`

`animation`

`animation-delay`

`animation-direction`

`animation-duration`

`animation-fill-mode`

`font-language-override`

`font-optical-sizing`

`font-size`

`font-size-adjust`

`font-stretch`

`font-stretch (@font-face)`

`font-style`

`font-style (@font-face)`

`font-synthesis`

`font-variant`

`font-variant (@font-face)`

`font-variant-alternates`

`font-variant-caps`

`font-variant-east-asian`

`font-variant-ligatures`

`padding`

`padding-block-end`

`padding-block-start`

`padding-bottom`

`padding-inline-end`

`padding-inline-start`

`padding-left`

`padding-right`

`padding-top`

`@page`

`page-break-after`

`page-break-before`

`page-break-inside`

`pc`

`<percentage>`

font-size

 Languages Edit

Jump to: [Syntax](#) [Possible approaches](#) [Examples](#) [Notes](#) [Specifications](#) [Browser compatibility](#)

[Web technology for developers](#) ›
[CSS: Cascading Style Sheets](#) ›
font-size

The **font-size** CSS property specifies the size of the font. Setting this property may change the size of other items, too, since it is used to compute the value of `em`, `ex`, and various other relative `<length>` units.

Related Topics

[CSS](#)

[CSS Reference](#)

[CSS Fonts](#)

▼ At-Rules

[@font-face](#)



CSS Demo: font-size

 Reset

```
font-size: 1.2em;
```



```
font-size: x-small;
```

over, and the Lord Chancellor
sitting in Lincoln's Inn Hall.
Implacable November weather.
As much mud in the streets as
if the waters had but poure

Q's?

let's write our own!

homework

- Use styles to create a global look for your site about your favorite artist.
 - Email me a zipped file.

Due tomorrow.