# **J220**Coding for Journalists

Soo Oh

**PROMPTS** 

Preliminary lecture slides in Slack

Zoom screenshare + start Zoom recording

## Agenda

Homework review + how much time

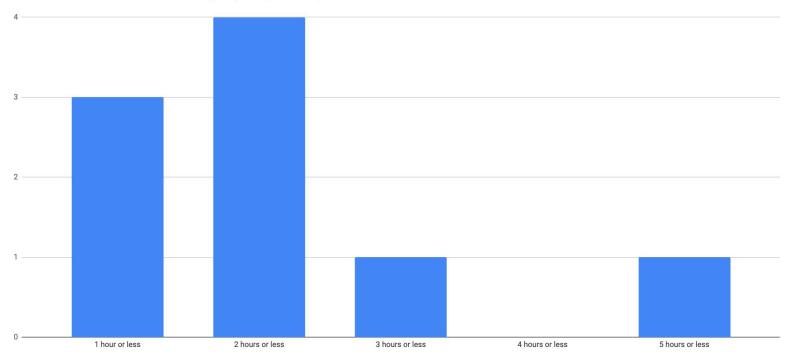
CSS

#### **BREAK**

Homework

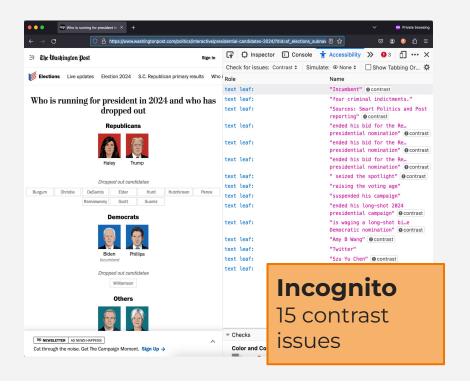
## How much time spent on J220

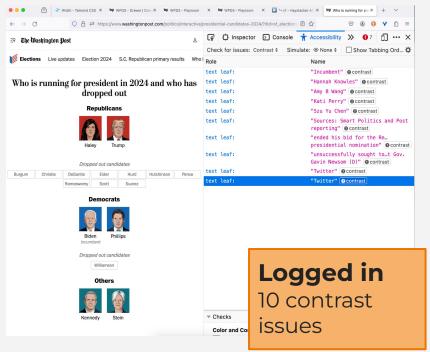
Week of 02-05: Number of students grouped by hours spent outside of lecture and office hours



Review screen/projector color/contrast for accessibility

## Firefox accessibility





## Firefox accessibility

#### Other factors:

- Sidebars
- Ads
- Screen being used?

There are some things on your page you cannot control, but the tool helps you get a good overview.

HTML

<h1>Headline</h1>

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Integer non nisl tellus.
Praesent laoreet ut nisi vel
volutpat. In nisi nulla,
malesuada a diam non, euismod
aliquam nibh.

**WEBSITE** 

#### Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
CSS
/* empty */
/* empty */
```

HTML

<h1>Headline</h1>

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Integer non nisl tellus.
Praesent laoreet ut nisi vel
volutpat. In nisi nulla,
malesuada a diam non, euismod
aliquam nibh.

**WEBSITE** 

#### Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
CSS
  /* empty */
p {
 color: steelblue;
```

HTML

<h1>Headline</h1>

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Integer non nisl tellus.
Praesent laoreet ut nisi vel
volutpat. In nisi nulla,
malesuada a diam non, euismod
aliquam nibh.

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Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

CSS h1 { color: seagreen; p { color: steelblue;

HTML

<h1>Headline</h1>

Lorem ipsum dolor sit amet,
consectetur adipiscing elit.
Integer non nisl tellus.
Praesent laoreet ut nisi vel
volutpat. In nisi nulla,
malesuada a diam non, euismod
aliquam nibh.

**WEBSITE** 

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Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

CSS h1 { color: seagreen; p { color: steelblue;

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

We just reviewed type (or HTML tag) selectors.

class attributes are shared. You make up the class name; it doesn't matter for semantics or accessibility. We use class to define special styles.

id attributes must be unique to the element. You can't have more than one element with the same id.

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

#### Review: class and id selectors

```
<section class="intro">
   The following chapters are ...
</section>
<section class="chapter" id="chapter-1">
        ...
</section>
<section class="chapter" id="chapter-2">
        ...
</section>
<section>
<section class="chapter" id="chapter-3">
        ...
</section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section></section><
```

```
.chapter {
  color: red;
}
#chapter-1 {
  color: blue;
}
```

```
.chapter {
                         Use a period before class
  color: red;
#chapter-1 {
  color: blue;
               Use a hashtag before id
```

CSS syntax

```
.chapter {
   color: red;
}

#chapter-1 {
   color: blue;
}
```

curly brackets contain CSS properties

```
.chapter {
      color: red;
   #chapter-1 {
      color: blue;
indent for readability (2 spaces is typical)
```

```
.chapter {
  color: red;
}

property : value;

#chapter-1 {
  color: blue;
}
```

```
.chapter {
  color: red;
                         property
                                      value
#chapter-1 {
  color: blue;
  width: 60%;
                           semicolon separates
                           different properties
```

CSS syntax

how to write comments in CSS

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

We use **commas** to apply the same CSS to multiple elements. This is called a <u>selector list</u>.

**WEBSITE** 

## Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
ccss
h1, p {
  color: seagreen;
}
```

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

We use **commas** to apply the same CSS to multiple elements. This is called a <u>selector list</u>.

**WEBSITE** 

## Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
ccss
h1, p {
  color: seagreen;
}
```

```
/* separate lines are OK, too */
h1,
p {
  color: seagreen;
}
```

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

It's common to combine the **html** and **body** tags in CSS.

```
html, body {
   /* empty*/
}
```

Why?

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

"It is not recommended to apply styles to the <html> element because they will be overridden by the <body> element styles and any other element in the document.

The only exception could be if you want to declare the font styles that will be inherited by all its descendant elements, especially the font size. This is because the <a href="html">html</a> element selector as the root element, has the rem (root em unit) sizing of any element based on whatever font size set for the element (root element)."

We're going to learn about this today!

Source

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

"There is a weird thing in CSS where the background-color on <body> floods the whole viewport even if the metrics of the element itself don't cover that whole area. Unless the background-color gets set on the <html> element, then it doesn't.

If flooding is the goal, it can be smart to just set it on the <html> element to begin with."

We haven't learned this yet, but this means, if you apply a width to **body**, which you really shouldn't do, then the color will expand past the width of the body. This might not make sense to you yet, but might later.

Source

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

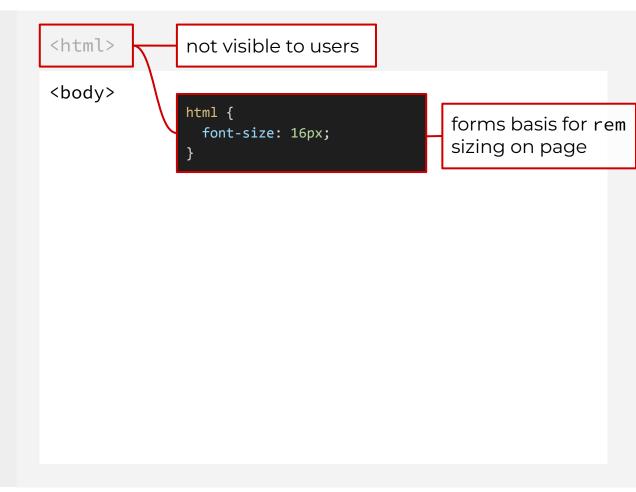
<html>

<body>

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)



type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)



type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

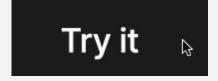


type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

For visual users, seeing an element respond to their mouse helps with UX. This is usually done with a link.



type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

The link color can change, when the mouse hovers over the anchor. Below, a blue link turns darkblue on hover.

```
color: blue;
a:hover {
  color: darkblue;
```

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

Pay attention to the syntax. There are no spaces between the *selector* (a) and the *pseudo-selector* (:hover).

```
color: blue;
                                : (colon, no spaces)
a:hover {
                                between a and
 color: darkblue;
                                hover
```

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

Sometimes, the style of the link also changes to indicate the user has already clicked on or visited the page.

```
color: blue;
a:hover {
  color: darkblue;
a:visited {
 color: gray;
```

type (tag), class, and id selectors

html, body (and using commas)

pseudo-selectors (for links)

**:hover**, **:visited**, and **:focus** (which get triggered by a keyboard tab) are all pseudo-selectors.

While :visited can only be applied to a link (an <a> tag), :hover and :focus can be used with any HTML element.

# CSS properties

## CSS Properties

colors

font-family

font-size

font-weight

font-style

line-height

We've talked about two CSS properties: color and background-color.

The property color applies to text.

**WEBSITE** 

## Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
h1, p {
  color: seagreen;
}
```

colors

font-family

font-size

font-weight

font-style

line-height

So far, we've used <u>"named" colors</u>. There are ~160 named colors in CSS.

**Hex values** are 6-digit codes that represent an RGB color. The **RGB** color model is best used for digital screens, though **HSL** is also popular.

name	hex	chip
olive	#808000	
teal	#008080	
lime	#00FF00	
maroon	#800000	

You can find hex colors using Adobe Color, Google, or browser tools.

#### colors

```
font-family
font-size
font-weight
font-style
line-height
```

It doesn't matter whether you use named colors or hex colors.

**WEBSITE** 

#### Headline

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Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
CSS
h1 {
  color: olive; /* #808000 */
}
p {
  color: #808000; /* olive */
}
```

colors

font-family

font-size

font-weight

font-style

line-height

You can also use **rgb** or **rgba** colors. The fourth property in **rgba** allows you adjust opacity (or *alpha*).

**WEBSITE** 

#### Headline

Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Integer non nisl tellus. Praesent laoreet ut nisi vel volutpat. In nisi nulla, malesuada a diam non, euismod aliquam nibh.

```
CSS

h1 {
  color: rgb(128, 128, 0);
}

p {
  color: rgba(128, 128, 0, 0.5);
}
```

colors

font-family

font-size

font-weight

font-style

line-height

The property **background-color** applies to backgrounds. (I know this sounds obvious, but it can be confusing once you learn about CSS for font and text).

colors

font-family

font-size

font-weight

font-style

line-height

There are some known web-safe fonts that are installed on most computers.

- Arial
- Courier New
- Georgia
- Times New Roman
- Verdana

colors

font-family

font-size

font-weight

font-style

line-height

# How are these fonts grouped up?

Arial

Georgia

Courier New

Verdana

Times New Roman

colors

font-family

font-size

font-weight

font-style

line-height

# How are these fonts grouped up?

sans-serif	serif	monospace
Arial	Georgia	Courier New
Verdana	Times New Roman	

colors

font-family

font-size

font-weight

font-style

line-height

**Serif fonts:** Finishing strokes. Some claim serif fonts are easier to read in the body of articles. Think about the tone you're setting.



html, body { font-family: Georgia, serif; }

colors

font-family

font-size

font-weight

font-style

line-height

**Sans-serif fonts:** Sans means "without" in French. These are fonts with no decorating features. Usually used for displays or titles.



Arial

html, body { font-family: Arial, sans-serif; }

colors

font-family

font-size

font-weight

font-style

line-height

**Monospace fonts:** Every character is the same width.

Courier New

html, body { font-family: Courier New, monospace; }

colors

font-family

font-size

font-weight

font-style

line-height

Not everyone has every font installed on their computers, so with **font-family**, you can let the browser know what fonts to use and fall back on.

You should use 2 to 3 values, in your preferred order.

```
p {
  font-family: Helvetica, Arial, sans-serif;
}
```

(It's encouraged to use quotation marks around <u>non-standard fonts</u>.)

colors

font-family

font-size

font-weight

font-style

line-height

What about loading custom fonts? We'll learn that at a future lecture!

colors

font-family

font-size

font-weight

font-style

line-height

Setting the sizes for fonts (and other dimensions later) can be done in different ways:

- pixels
- rem
- em
- percent

colors

font-family

font-size

font-weight

font-style

line-height

**Pixels:** A static way of setting a size. Good if you need to be very accurate, down to the pixel. Con: no resizing when page is zoomed in.

```
p {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 16px;
}
```

colors

font-family

font-size

font-weight

font-style

line-height

**rem:** The browser adjusts size based on a **font-size** set on the **<html>** element. This helps when zooming into page, mobile friendly.

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}
p {
  font-size: 1rem;
}
```

What size will be on the page?

colors
font-family

font-size

font-weight
font-style
line-height

**rem:** The browser adjusts size based on a **font-size** set on the **<html>** element. This helps when zooming into page, mobile friendly.

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}
p {
  font-size: 1rem;
}
```

What size will be on the page? 18px

```
colors
font-family
font-size
font-weight
font-style
line-height
```

#### rem

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}
p {
  font-size: 2rem;
}
```

What size will be on the page?

```
colors
font-family
font-size
font-weight
font-style
line-height
```

#### rem

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}
p {
  font-size: 2rem;
}
```

What size will be on the page? 36px

colors
font-family
font-size
font-weight
font-style
line-height

**em:** The size adjusts based on the **font-size** of the parent element. If no base **font-size** is set on the parent, then the browser sets default. In most browsers, is **16px**.

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}
p {
  font-size: 1em;
}
```

What size will be on the page?

colors
font-family
font-size
font-weight
font-style
line-height

**em:** The size adjusts based on the **font-size** of the parent element. If no base **font-size** is set on the parent, then the browser sets default. In most browsers, is **16px**.

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}
p {
  font-size: 1em;
}
```

What size will be on the page? 18px

colors

font-family

font-size

font-weight

font-style

line-height

#### rem vs. em

```
HTML
                                   CSS
<article>
                               html, body {
 Integer non
                                 font-size: 18px;
 nisl tellus. Praesent laoreet
 ut nisi vel volutpat.
                                article {
                                 font-size: 20px;
 In nisi nulla,
 malesuada a diam non, euismod
                                .rem {
 aliquam nibh.
                                 font-size: 1rem;
</article>
                                .em {
                                 font-size: 1em;
```

What size will the s be on the page?

colors

font-family

font-size

font-weight

font-style

line-height

#### rem vs. em

```
HTML
                                       CSS
    <article>
                                    html, body {
      Integer non
                                      font-size: 18px;
      nisl tellus. Praesent laoreet
18px
      ut nisi vel volutpat.
                                    article {
                                      font-size: 20px;
      In nisi nulla,
20px
      malesuada a diam non, euismod
                                    .rem {
      aliquam nibh.
                                      font-size: 1rem;
    </article>
                                    .em {
                                      font-size: 1em;
```

What size will the s be on the page?

colors
font-family
font-size
font-weight
font-style
line-height

**Percent**: A size of 100% would be equivalent to **1em**. Percent sizing is more common with layout properties for spacing, not so much with fonts.

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}

p {
  font-size: 100%;
}
```

What size will be on the page?

colors
font-family
font-size
font-weight
font-style
line-height

**Percent**: A size of 100% would be equivalent to **1em**. Percent sizing is more common with layout properties for spacing, not so much with fonts.

```
html, body {
  font-family: Helvetica, Arial, sans-serif;
  font-size: 18px;
}

p {
  font-size: 100%;
}
```

What size will be on the page? 18px

colors

font-family

font-size

font-weight

font-style

line-height

The property **font-weight** sets the "weight" or boldness of a font. The CSS value can be a multiple of 100 from **100** to **900** or a word: **lighter**, **normal**, **bold**, **bolder**.

colors

font-family

font-size

font-weight

font-style

line-height

Because of accessibility concerns, you need good reason to use **100** or **200**, since these make it hard to read because of size and contrast

weight	description
100	thin
200	
300	light
400	normal
500	
600	
700	bold
800	
900	black, heavy

```
colors
font-family
font-size
font-weight
font-style
line-height
```

```
Why use font-weight to make something bold instead of <b> or <strong>?
```

Those tags have semantic meaning. They point to something that is important or serious. They're not used for aesthetic reasons.

```
p.dek {
  font-weight: bold;
}
```

```
colors
font-family
font-size
font-weight
font-style
line-height
```

The property **font-style** is used to italicize text for aesthetic reasons. We don't use **<em>** or **<i>i>**, for the same reason we don't use **<b>** or **<strong>** just to style bold text.

Avoid big sections of italic text, which can be hard to read.

```
p.dek {
  font-style: italic;
}
```

colors

font-family

font-size

font-weight

font-style

line-height

**line-height**: The space between lines of text.

```
p {
  line-height: 1.2rem;
}
```

Can use px, rem, em, percent, or a number (unitless).

colors font-family font-size font-weight font-style line-height

The preferred implementation for both readability and making the page mobile-friendly is using a **unitless number**, which is multiplied by the **font-size**.

```
p {
  line-height: 1.2;
}
```

```
colors
font-family
font-size
font-weight
font-style
line-height
combining
```

#### So how do we combine this all?

```
html, body {
  font: 18px/1.2 Garamond, 'Times New Roman', serif;
h1, h2, h3, h4, h5, h6 {
  font-family: Helvetica, Arial, sans-serif;
  font-weight: bold;
  font-size: 1rem;
  line-height: 1.2;
p.dek {
  font-style: italic;
```

colors
font-family
font-size
font-weight
font-style
line-height

combining

I combined values to **font** here:

```
html, body {
  font: 18px/1.2 Garamond, 'Times New Roman', serif;
}
```

Combine font values in a specific order:

```
font: font-style font-variant font-weight font-size/line-height font-family
```

You can skip **font-style**, **font-variant**, and **line-height**.

What's **font-variant**? You can set it to **normal** or **small-caps**.

# Break

Meet back in 15 minutes.

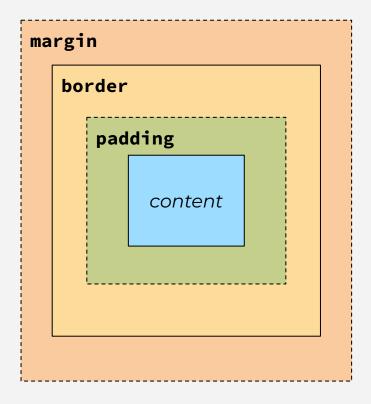
# In-class activity

# Box Model

# **Box Model**

Let's talk about spacing!

This is the box model.



## Opening browser development tools

You might have seen this in your browser.

In **Brave** or **Chrome**, right-click on a page and select "**Inspect**."

Then click on the "Styles" or "Computed" tabs.

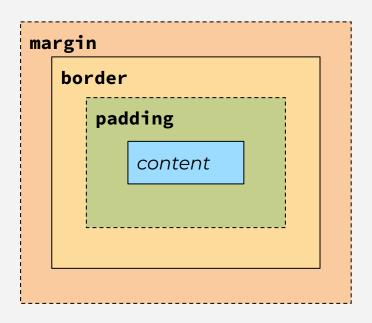
```
Styles Computed
                    Layout Event Listeners
                                           DOM Breakpoints
                                                              :hov .cls + ₽ 🗐 🖪
element.style {
html[Attributes Style] {
  -webkit-locale: "en";
                                                                user agent styleshee
  display: block:
                                     1076×3070.780
```

## What makes up the box model

The CSS properties that makes up the box are:

- margin
- border
- padding

The *content* is what is found inside of the HTML element.



Let's take a look at this **<aside>** element.

#### **WEBSITE**

onec ultrices tempus mi vitae bibem.

What do you think? **Email us** to let us know!

```
HTML
<aside>
 What do you think?
 <a href="mailto:email
 @berkeley.edu">Email
 us</a> to let us
 know!
</aside>
```

The stuff that's inside the <aside> tag is the content.
That includes the tag (which has its own box model).

#### **WEBSITE**

onec ultrices tempus mi vitae bibem.

What do you think? **Email us** to let us know!

```
HTML
<aside>
 What do you think?
 <a href="mailto:email
 @berkeley.edu">Email
 us</a> to let us
 know!
</aside>
```

This <aside> tag
has a thin black
border (although
here I've
highlighted it
orange).

#### **WEBSITE**

onec ultrices tempus mi vitae bibem.

What do you think? **Email us** to let us know!

```
CSS
aside {
 border-width: 1px;
 border-style: solid;
 border-color: #000000;
           new CSS
           properties!
```

The space inside of the **border** but between the **content** is the **padding**.

#### **WEBSITE**

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What do you think? **Email us** to let us know!

```
CSS
aside {
 border-width: 1px;
 border-style: solid;
 border-color: #000000;
  padding-top: 1rem;
  padding-right: 0.66rem;
  padding-bottom: 1rem;
  padding-left: 0.66rem;
```

The space outside of the border between the <aside> tag and the above and below paragraphs is the margin.

#### **WEBSITE**

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What do you think? **Email us** to let us know!

Nullam finibus commodo vulputate. Quisque quis tempus lacus. Quisque mi magna, accumsan sed pulvinar vitae, varius ac risus. Fusce elit lectus.

#### CSS

```
aside {
 border-width: 1px;
 border-style: solid;
 border-color: #000000;
  padding-top: 1rem;
  padding-right: 0.66rem;
  padding-bottom: 1rem;
  padding-left: 0.66rem;
 margin-top: 1rem;
 margin-right: 0;
 margin-bottom: 1rem;
 margin-left: 0;
```

margin and padding can seem very similar. The difference is more obvious when you add a **border** (even temporarily). They add spacing in different areas.

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#### CSS

```
aside {
 border-width: 1px;
 border-style: solid;
 border-color: #000000;
  padding-top: 1rem;
  padding-right: 0.66rem;
  padding-bottom: 1rem;
  padding-left: 0.66rem;
 margin-top: 1rem;
 margin-right: 0;
 margin-bottom: 1rem;
 margin-left: 0;
```

## Combining property values

Let's take a closer look at the new CSS properties we just introduced.

```
aside {
  border-width: 1px;
  border-style: solid;
  border-color: #000000;
  padding-top: 1rem;
  padding-right: 0.66rem;
  padding-bottom: 1rem;
  padding-left: 0.66rem;
  margin-top: 1rem;
 margin-right: 0;
 margin-bottom: 1rem;
 margin-left: 0;
```

## Combining property values

Just like with **font**, we can declare property values in one line.

Also, you don't have to declare a unit (like **px**, **rem**, or **em**) with the number **0**.

```
aside {
  /* border will never work without at LEAST solid */
  border: 1px solid #000000;
  /* 3 different ways to declare padding */
  /* 1) top right bottom left */
  padding: 1rem 0.66rem 1rem 0.66rem;
  /* 2) (top/bottom) (left/right) */
  padding: 1rem 0.66rem;
  /* 3) top (left/right) bottom */
  padding: 1rem 0.66rem 1rem;
  /* same goes for margin */
  margin: 1rem 0 1rem 0;
 margin: 1rem 0;
 margin: 1rem 0 1rem;
```

# Default browser styling

When you use semantic HTML, you might find many elements already have a lot of margin and padding that you don't want.

Every browser has its own base stylesheet, but many of them are pretty similar.

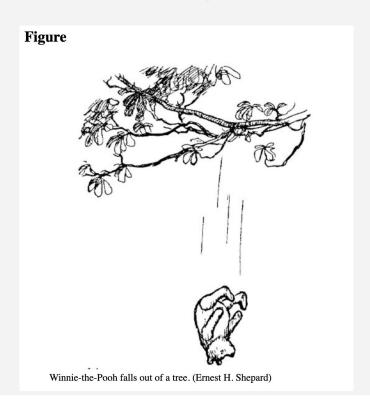
# Default browser styling

When you use semantic HTML, you might find many elements already have a lot of margin and padding that you don't want.

Every browser has its own base stylesheet, but many of them are pretty similar.

(Just FYI, default browser styling is different from **initial values**, which we'll talk about in a future class.)

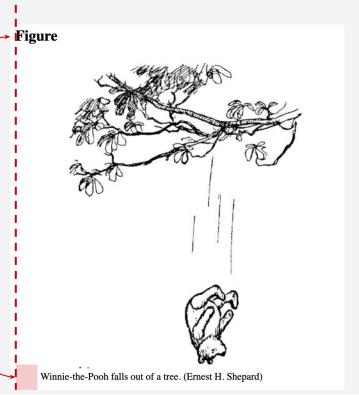
Let's look at the <u>lecture examples</u> in our Feb. 5 lecture on HTML elements. You learned about the **'figure'** tag during lecture.



Even though the <h2> "Figure" is near the edge of the page, the <figcaption> is not.

edge

I don't know if this space is **padding** or **margin**, so I'm shading it **pink** for now

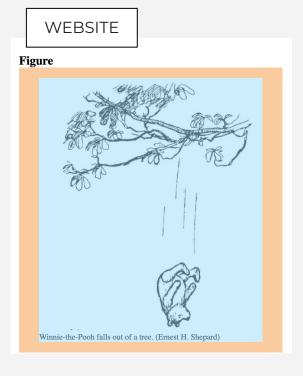


```
HTML
<section id="figures">
  <h2>Figure</h2>
  <figure>
    <img src="./assets/illus6.jpg"</pre>
    alt="Line drawing of a bear
    named Winnie-the-Pooh falling
    out of tree">
    <figcaption>Winnie-the-Pooh
    falls out of a tree. (Ernest
    H. Shepard)</figcaption>
  </figure>
</section>
```



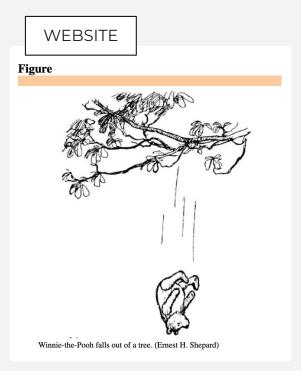
When I inspect the elements in my browser, I notice that the <h2> has margin.

```
HTML
<section id="figures">
  <h2>Figure</h2>
  <figure>
    <img src="./assets/illus6.jpg"</pre>
    alt="Line drawing of a bear
    named Winnie-the-Pooh falling
    out of tree">
    <figcaption>Winnie-the-Pooh
    falls out of a tree. (Ernest
    H. Shepard)</figcaption>
  </figure>
</section>
```



Inspecting
<figure> shows
that it has some
margin at the top
and bottom, too,
but also left and
right.

```
HTML
<section id="figures">
  <h2>Figure</h2>
  <figure>
    <img src="./assets/illus6.jpg"</pre>
    alt="Line drawing of a bear
    named Winnie-the-Pooh falling
    out of tree">
    <figcaption>Winnie-the-Pooh
    falls out of a tree. (Ernest
    H. Shepard)</figcaption>
  </figure>
</section>
```

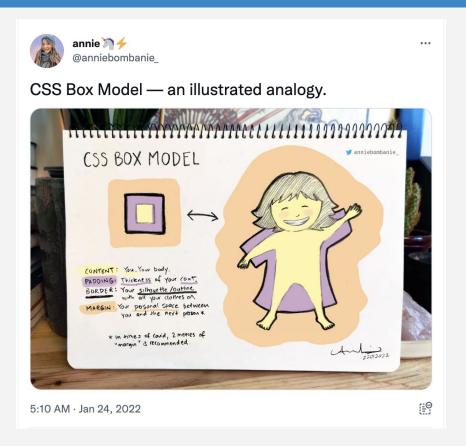


You may notice too, that even though both <figure> and <h2> have margin set for the same space, you don't see both of them, due to margin collapse.

```
HTML
<section id="figures">
  <h2>Figure</h2>
  <figure>
    <img src="./assets/illus6.jpg"</pre>
    alt="Line drawing of a bear
    named Winnie-the-Pooh falling
    out of tree">
    <figcaption>Winnie-the-Pooh
    falls out of a tree. (Ernest
    H. Shepard)</figcaption>
  </figure>
</section>
```



```
CSS
/* If I want to make
figcaption flush with the
edge of the page, I have to
set the CSS on figure */
figure {
 margin-left: 0;
 margin-right: 0;
```



### From @anniebombanie

# Homework

https://journ220.github.io

please help clean up: close windows, return tables, etc.