

WEB DESIGN DECAL

LECTURE 4

CSS Centering and Properties

Centering different elements and more fun properties

Today's Roadmap:

Selectors Review

Centering

Styling Font

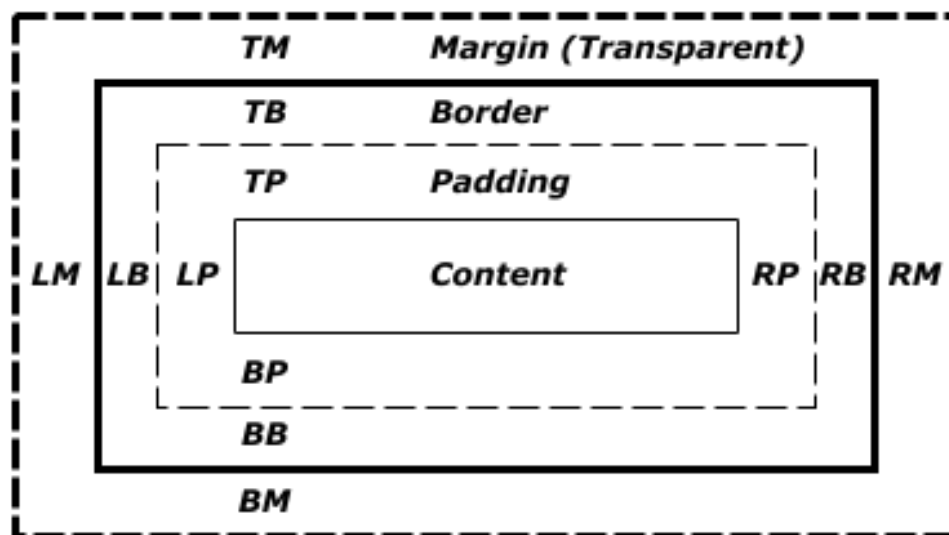
Styling Images

Positioning: Centering

Fun game to practice CSS selection:

flukeout.github.io

Review: CSS Box Model



- Margin edge
- Border edge
- - - Padding edge
- Content edge

Today's Roadmap:

Selectors Review

Centering

Styling Font

Styling Images

Centering: Overview

Want to be able to center elements horizontally and vertically.

Different rules for block vs. inline elements

Centering: Refresher

block

`<div>`
`<h1>` ... `<h6>`
`<p>`
`` & ``

inline

``
``
`<a>`
`` & `<i>`
`<input>`

Positioning: Horizontal centering

For horizontally centering a **block element**:

```
margin-left: auto;  
margin-right: auto;
```

-OR-

```
margin: 0 auto;
```

Both mean the same thing!

Positioning: Horizontal centering

For horizontally centering a **block element**:

Note that the `display: block;` property exists

So when you're positioning ``, it's recommended that you change its display to block and add `margin: 0 auto` for centering.

Positioning: Horizontal centering

For horizontally centering an inline element:

```
display: table;  
margin: auto;
```

-OR-

```
text-align: center;
```

Positioning: Vertical centering

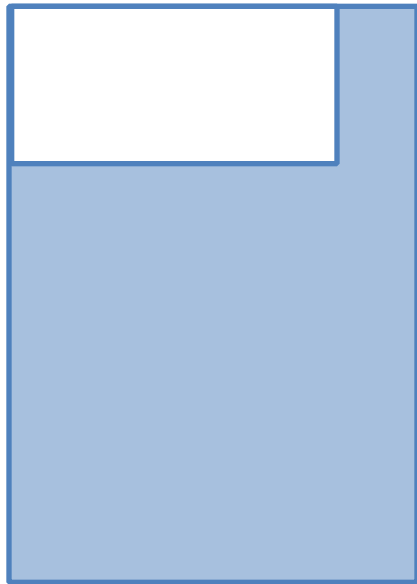
For vertically centering a **block element**:

In the child element:



```
position: relative;  
top: 50%;  
transform: translateY(-50%);
```

Positioning: Vertical centering

For vertically centering a **block element**:

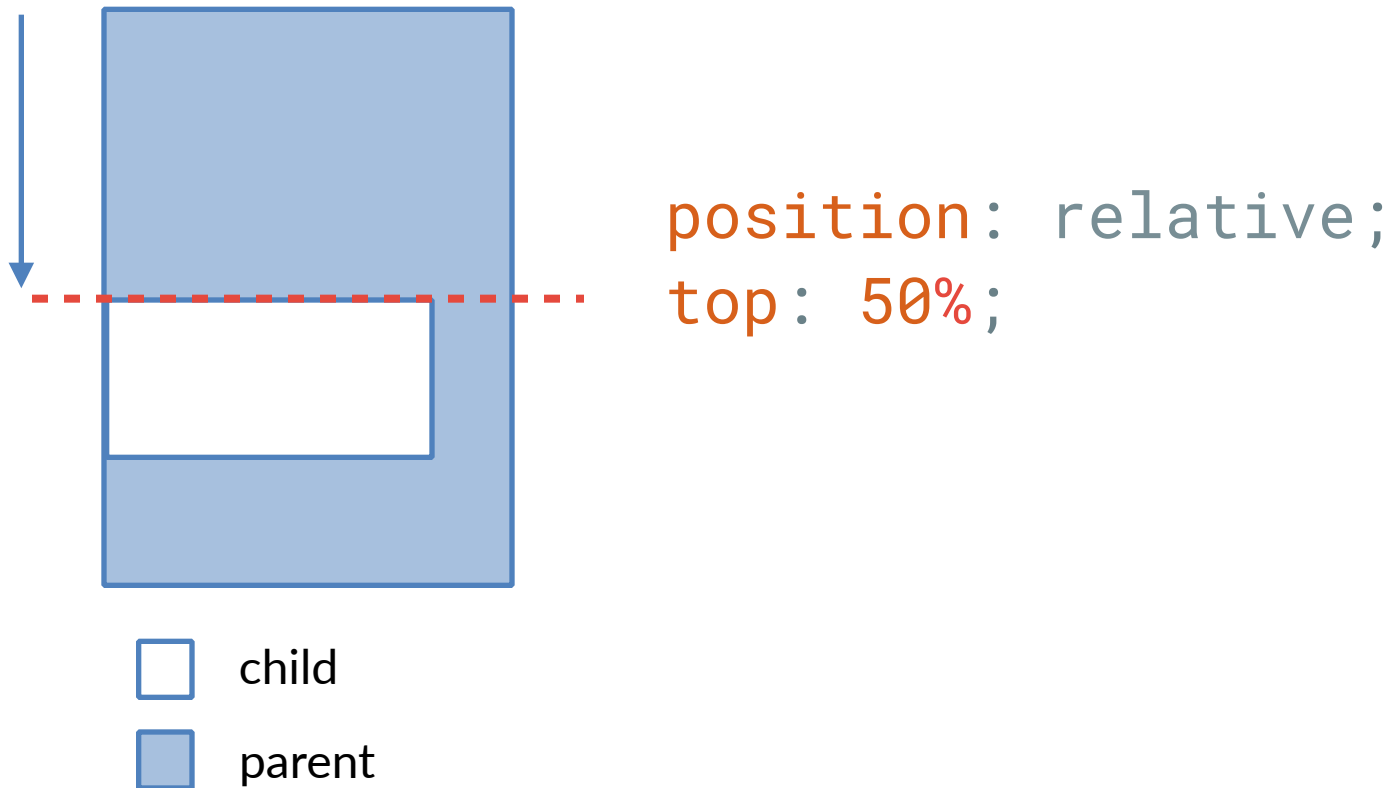


by default

-  child
-  parent

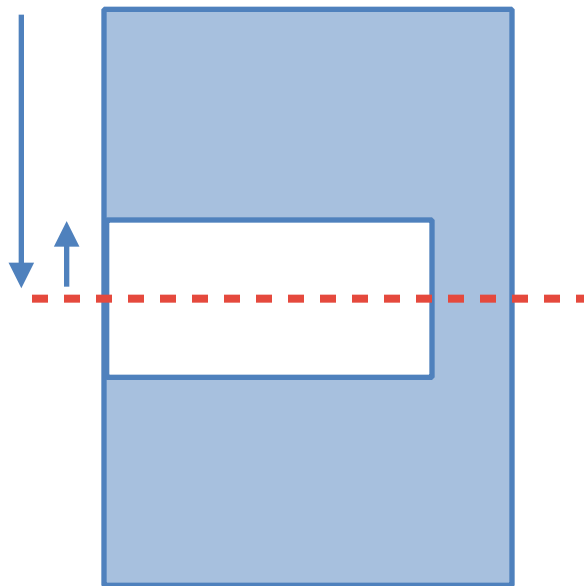
Positioning: Vertical centering

For vertically centering a **block element**:





Positioning: Vertical centering

For vertically centering a **block element**:



```
position: relative;  
top: 50%;  
transform: translateY(-50%);
```

-  child
-  parent

Positioning: Vertical centering

For vertically centering a **block element**:

Note that there should be a **parent** when vertically centering.

Here's why: What's the center of an indeterminately long page?

Positioning: Vertical centering

For vertically centering a **block element**:

Note that there should be a **parent** when vertically centering.

Here's why: What's the center of an indeterminately long page?

As you can see, vertical centering is much less straightforward, but also much less common.

Positioning: Vertical centering

For vertically centering an **inline element**:

Informally: tweak **padding** and **line-height** to be the half the height of the container, and the full height, respectively.

Positioning: Summary (centering)

	inline	block
horizontal	<pre>display: table; margin: 0 auto;</pre>	<pre>margin: 0 auto;</pre>
vertical	<pre>padding & line-height</pre>	<pre>position: relative; top: 50%; transform: translateY(-50%);</pre>

Positioning: Centering

Let's check out how this works in practice:

bit.ly/center-example-2

Today's Roadmap:

Selectors Review

Centering

Styling Font

Styling Images

Styling Fonts: Properties

Properties - there are many. These are the most important:

`color: #167AC6 ; color: red ;`

Not to be confused with background-color!

`font-size: 20px` Takes in a pixel value and sets its size

`font-weight`: Takes in 100 - 900 aka (lightest to boldest)

`font-family`: Where you specify the font you want to use

Styling Fonts: font-weight

Thin 100

Grumpy wizards make toxic brew for the evil Queen and Jack.

Light 300

Grumpy wizards make toxic brew for the evil Queen and Jack.

Normal 400

Grumpy wizards make toxic brew for the evil Queen and Jack.

Medium 500

Grumpy wizards make toxic brew for the evil Queen and Jack.

Bold 700

Grumpy wizards make toxic brew for the evil Queen and Jack.

Ultra-Bold 900

Grumpy wizards make toxic brew for the evil Queen and Jack.

Styling Fonts: text-shadow



Styling Fonts: letter-spacing

This is how you achieve t h i s e f f e c t.

```
letter-spacing: 4px;
```

As the design section mentioned, capitalizing words and spreading them looks F A N C Y.

Positioning: Centering

Explore some font styling samples!

bit.ly/text-example-1

Today's Roadmap:

Selectors Review

Centering

Styling Font

Styling Images

Styling Images: Properties

Properties - there are many. These are the most important:

`width: 400px;`

`height: 400px;`

`min-width` and `max-width` exist too!

`opacity`: Takes in a value from 0.0 to 1.0
aka (transparent to opaque)

Image Sizing

width: 200px;

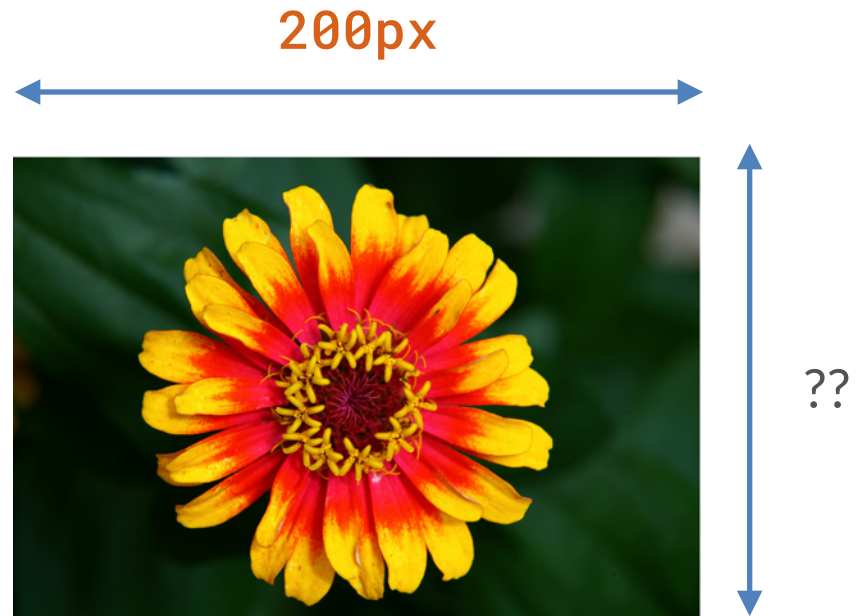


Image Sizing

height: 200px;

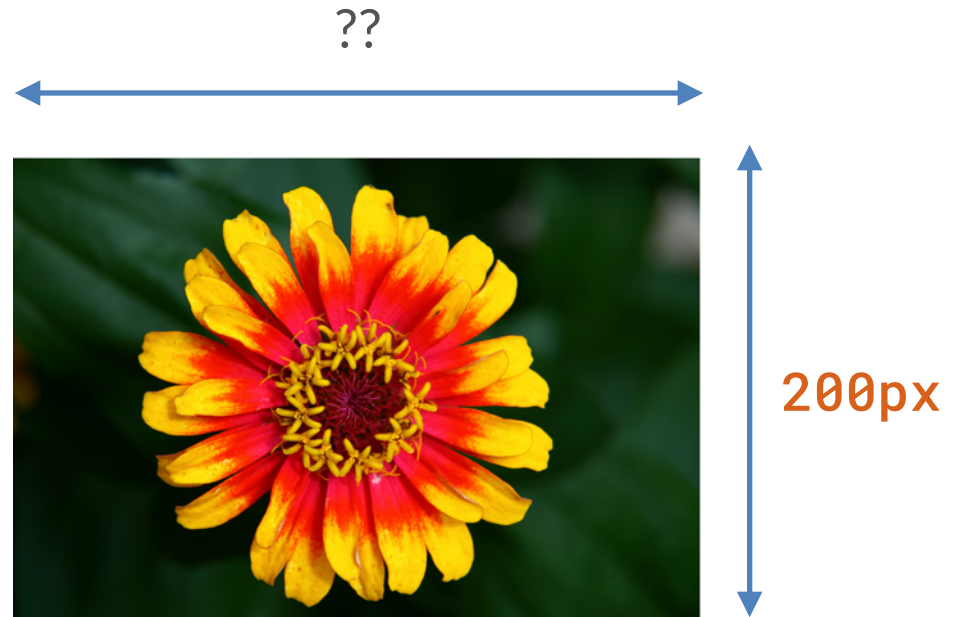
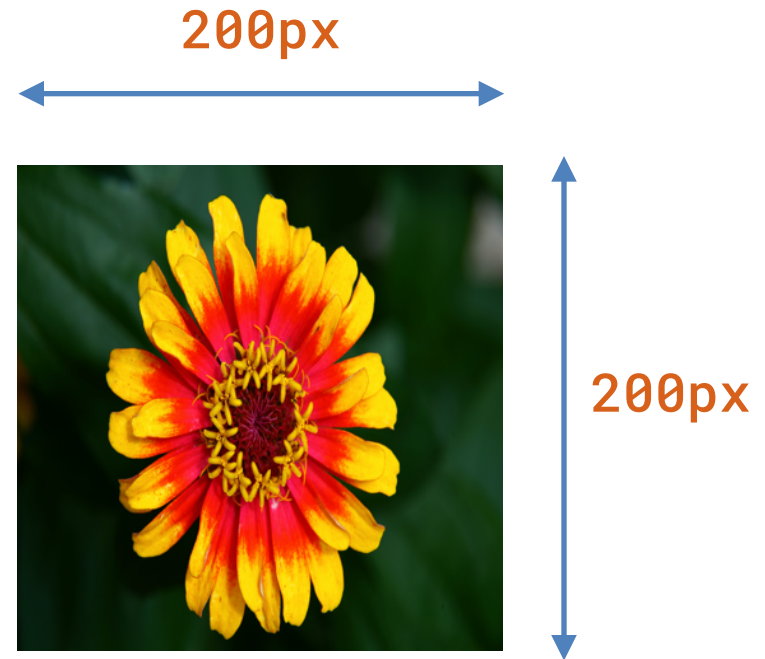


Image Sizing

height: 200px;
width: 200px;

Try not to do this!



Styling Images: Opacity



opacity: 1.0;

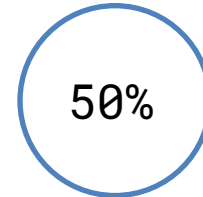
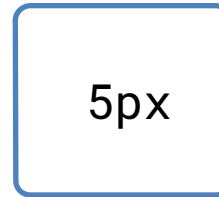


opacity: 0.4;

Styling Images: Misc .

`border-radius: 50%`

`border-radius: 5px`

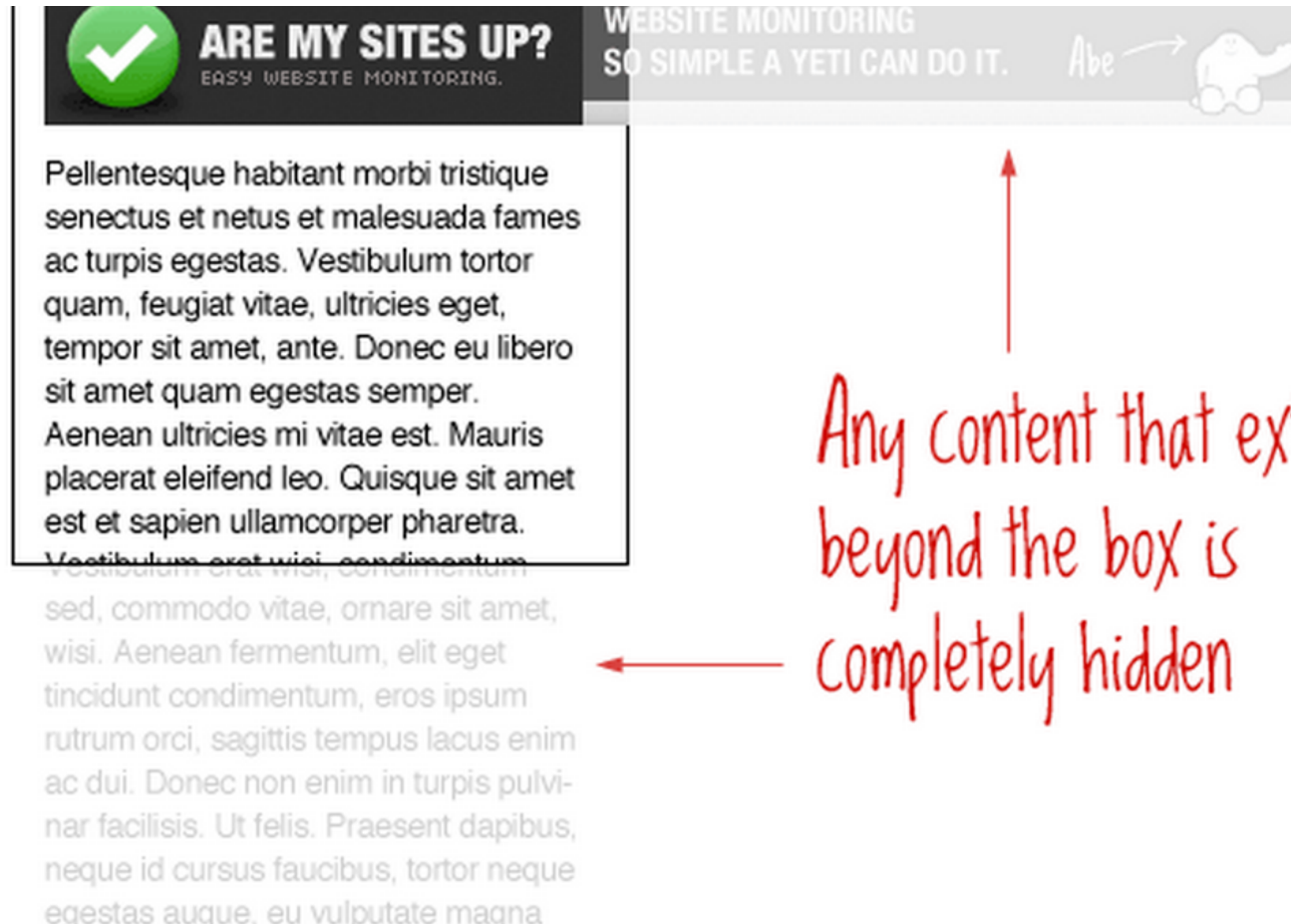


`overflow: visible; //default`

`overflow: hidden;`

`overflow: scroll;`

Styling Images: Overflow



Styling Images: Overflow

300px



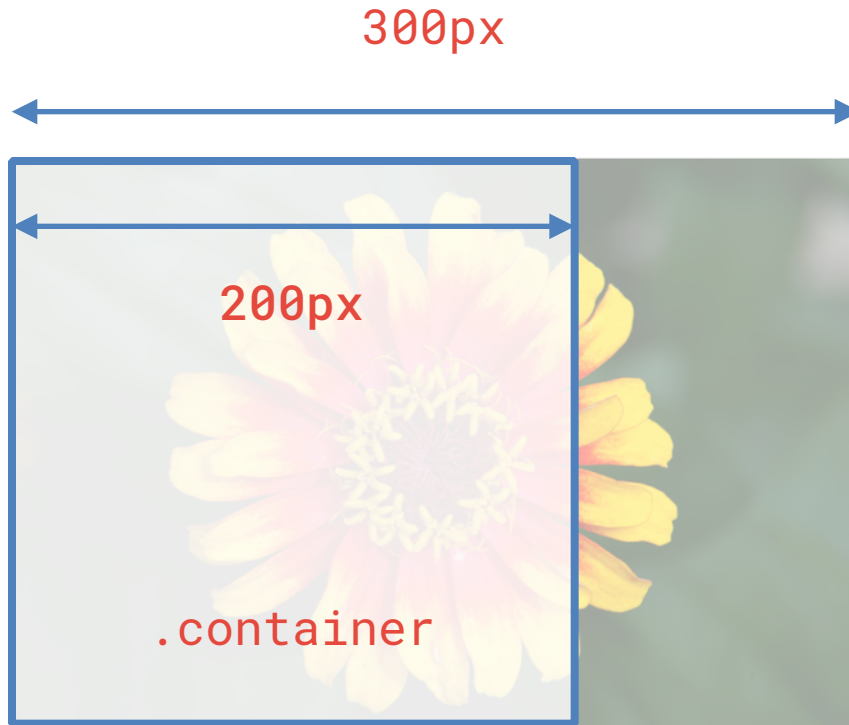
200px



```

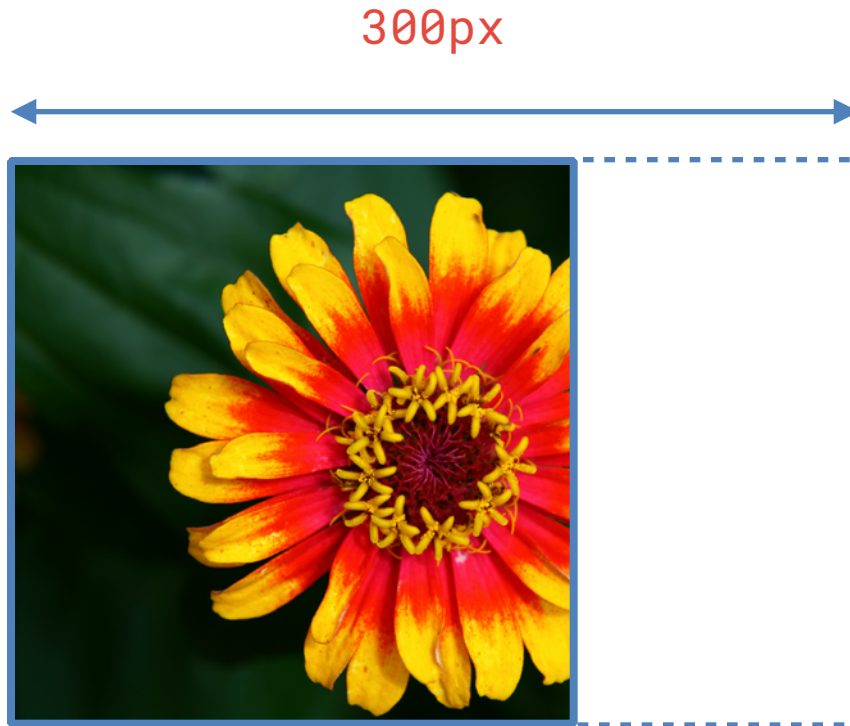
```

Styling Images: Overflow



```
<div class="container">  
    
</div>
```

Styling Images: Overflow

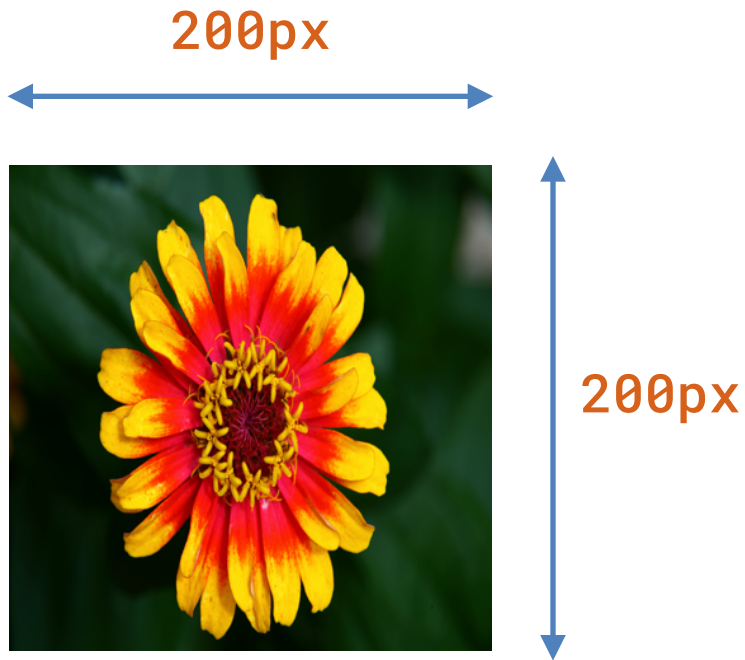


```
<div class="container">  
    
</div>
```

```
.container {  
  overflow: hidden;  
}
```

Styling Images: object-fit

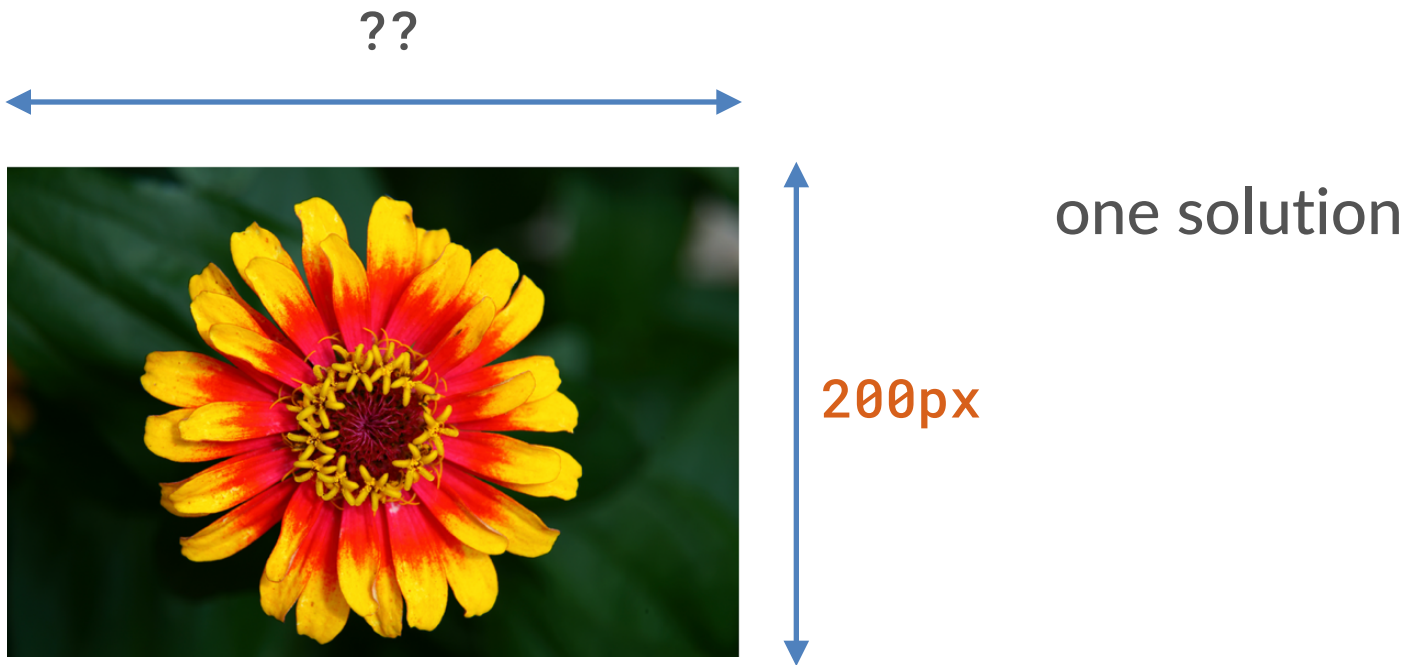
object-fit: cover; is a super super cool and useful style for images



remember this issue?

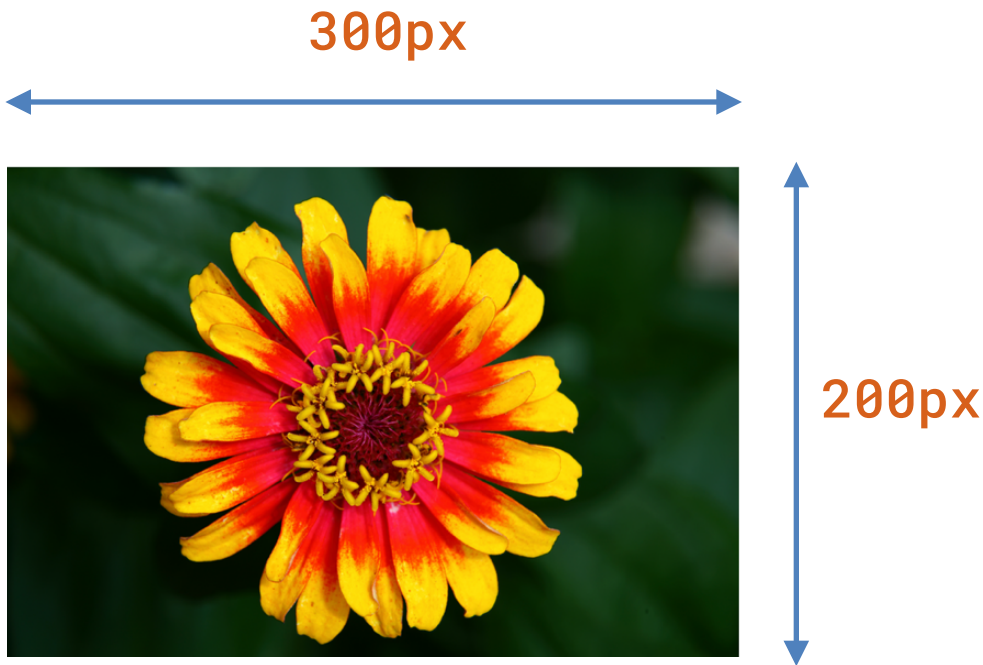
Styling Images: object-fit

object-fit: `cover`; is a super super cool and useful style for images



Styling Images: object-fit

`object-fit: cover;` is a super super cool and useful style for images



`object-fit: cover`
lets you determine
both height and
width!

some setup involved...

Styling Images: object-fit

Demo!

(hey eric: paste the link here)

Object-fit: cover saves the day!

```
<div class="parent">  
    
</div>
```



General structure

```
.parent {  
  height: 300px;  
  width: 200px;  
}
```



Customize these values

```
.image {  
  height: 100%;  
  width: 100%;  
  object-fit: cover;  
}
```



Don't change these

Positioning: Centering

We didn't forget images of course :)

bit.ly/image-example-1