CSS

"Cascading Style Sheets"

a set of rules that control
the style of the webpage

rule anatomy

rule

selector

```css
p {
    color: green;
    font-size: 30px;
}
```

declaration

declaration anatomy

```css
p {
    color: green;
    font-size: 30px;
}
```

property   value

properties that dictate the size of something need a "length unit" attached to their value.

in this case, px = pixels

```
p {
    color: green;
    font-size: 30px;
}
```
length unit

(more on units here)

```css
p {
}
```

```html
<p>If I knew, I would speak.</p>
<p>I know nothing. I guess much.</p>
```

If I knew, I would speak.
I know nothing. I guess much.

```
p {
    color: green;
    font-size: 40px;
    background: orange;
}

<p>If I knew, I would speak.</p>
<p>I know nothing. I guess much.</p>
```

If I knew, I would speak.

I know nothing. I guess much.

class and id

class
```
<p class="good">
.good
```

✴ not unique

✴ can be used multiple
   times throughout page

✴ elements can only
   have multiple classes

id
```
<p id="nice">
#nice
```

✴ unique

✴ each id should only be
   used once per page

✴ element can only have
   one id

```css
#nice {
  color: green;
  font-size: 40px;
  background: orange;
}
```

```html
<p id="nice">If I knew, I would speak.</p>
<p>I know nothing. I guess much.</p>
```

If I knew, I would speak.

I know nothing. I guess much.

```css
.good {
  color: green;
}
```

```html
<p class="good">If I knew, I would speak.</p>
```

If I knew, I would speak.

```css
.good {
  color: green;
}


.new {
  background: orange;
}
```

```html
<p class="good new">If I knew, I would speak.</p>
```

If I knew, I would speak.

CSS will apply styles based on a hierarchy of specificity. The level of specificity is determined by several factors:

* where the style is being declared (inline, embedded, or externally)

* the location of the rule on the stylesheet

* the type of selector used (base, class, id)

(more on CSS specificity here)

ways to apply CSS

✳ inline

✳ embedded

✳ external

inline

```
<p style="font-size: 40px;"></p>
```

✳ most specific

✳ only applies to the element it is attributed to

embedded

```
<head>
  <style>
    p {
      font-size: 40px;
    }
  </style>
</head>
```

✳ more specific than external; less than inline

✳ only applies to one page

external

```
<head>
  <link rel="stylesheet" href="style.css">
</head>
```

✳ least specific

✳ can be applied to multiple pages

```css
/* this is a comment in CSS */
```

```
/* this is the end */
```