CSS

"Cascading Style Sheets"

a set of rules that control
the style of the webpage

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


a {
  color: red;
  text-decoration: underline;
}


.special {
  background-color: pink;
}
```

rule anatomy

rule

selector

```
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)

```
p {
}
```

<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.

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

```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.

id and class

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

* unique

* each id should only be used once per page

* an element can only have one id

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

* not unique

* can be used multiple times throughout page

* elements can have multiple classes

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

<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. When there is a conflict, the most specific style will win out. The level of specificity is determined by several factors:

✳ where the style is being declared (inline > embedded > externally)

✳ the location of the rule on the stylesheet (lower > higher)

✳ the type of selector used (id > class > tag)

(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 */
```