



CSS

A CS50 Seminar by Ben Shryock



This Seminar

- What is CSS?
- CSS Syntax
- CSS Properties for Layout
- CSS Properties for Appearance
- Styling CS50.net



Cascading Style Sheets

- Styles appearance of HTML elements
- Change appearance of multiple webpages with a single .css file
- Cascading? Start general, move to more specific



The HTML Connection

- **External stylesheets - .css extension**

```
<head>  
<link rel="stylesheet" type="text/css" href="mycssfile.css">  
</head>
```

- **Inline styles - use sparingly**

```
<p style="color:blue">Here is a paragraph.</p>
```




CSS Syntax

- **Selector {Property:Value; Property:Value...}**
- `h2 {color:white; font-size: 14px}`
- `#rightSidebar {width:100px}`
- `.navButtons {background-color:blue}`
- “Pseudo-classes” `a:hover {text-decoration:none}`
- Comments: `/* this is a comment */`



CSS For Appearance

- `background-color: 0xFF0000;`
- `color: rgba(255,0,0,0.5);`
- `font-size: 14px;`
- `font-family: Helvetica Neue, Helvetica, sans-serif, Arial;`
- `font-weight: bold;`
- `text-decoration: underline;`
 - `text-decoration: none;`
- `border: 2px solid black;`



CSS For Layout

- `text-align: center;`
- `vertical-align: middle;`
- `padding: 10px;`
- `margin: 10px 15px 20px 15px;`
 - `margin-left: auto; margin-right: auto;`
- `display: inline-block;`
- `float: left;`



This is CS50

- We're going to create CS50.net
- I've provided the HTML
 - Oops, forgot to include any CSS styling
- HTML for the entire page in unstyled.html
 - Smaller pieces in other HTML/CSS files
 - header, content, leftnav, rightnav, footer