

# CSS3

# Cascading Style Sheets

**Adding Style to your Pages**

## Browser Default Styling

- The same html file may look different when viewed on different browsers.
  - Some tags are supported, some aren't
  - Browsers may have different *default styles*
- In general, default looks are plain.



## Adding Style

- As styling tags were phased out of html, styling was done with style attribute

```
<h1 style = "color:blue">Styled Heading</h1>
```

**Styled Heading**

- Violated separation of content/style

# Cascading Style Sheet

- CSS defined generic rules that can apply to multiple elements

```
selector {  
    property: value;  
}
```

```
h1 {  
    color: blue;  
}
```

**Styled Heading**

## Rule Syntax

- Brackets and semicolons are very important
- This is where a good editor can make a BIG difference

```
/* This is how comments are done */
```



## Multiple Properties

```
h1{  
  color:blue;  
  background-color: yellow;  
}
```

**Styled Heading**

# Internal Style Sheet

- Styling is defined within **<head>**
- Rules are defined within **<style>**
- Styles are applied to all elements in that file

```
<head>
  <meta charset="UTF-8">
  <title>Title here</title>
  <style>
    h1{
      color: blue;
    }
  </style>
</head>
```

- Don't forget to close the style tag!!

## External Style Sheet

- You can put rules in an external file (don't use the style tag!!)
- A link to the style sheet is put in the head section.



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- Styles are applied to all elements in all files that links to the style sheet



# The “Cascading” part of CSS

- Browser default
- *External* style sheets
- *Internal* style (in the head section)
- *Inline* style (inside an HTML element)

## Rule precedence

- What if one selector is defined in two external files?
  - The rules from the most recent file have precedence
- What if one selector has more than one rule in the same file?



- The most recent rule has precedence



## !important

- It is possible to override later rules, use  
!important





# Example

## Review


- Why do we want/need to separate content from formatting?
- How does this also tie in to external/internal style sheets?
- Understand that this is very powerful. See <http://www.csszengarden.com/>



# Acknowledgements/Contributions

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