

HTML + CSS

level 1

Week 3 Topics

- Separation of Content and Style
- What is CSS?
- CSS Syntax
- Basic CSS Selectors and Properties
- Adding CSS to HTML
- Tips/tools

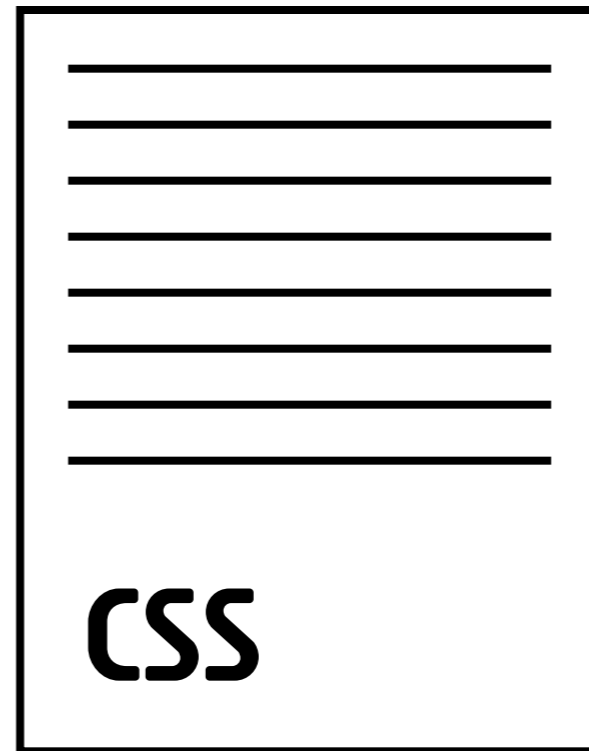
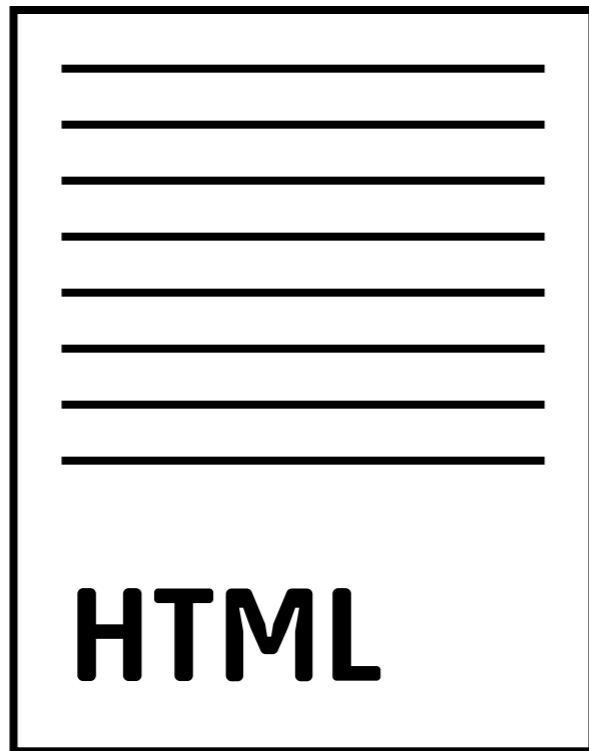
Week 3 Topics

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Content

Markup

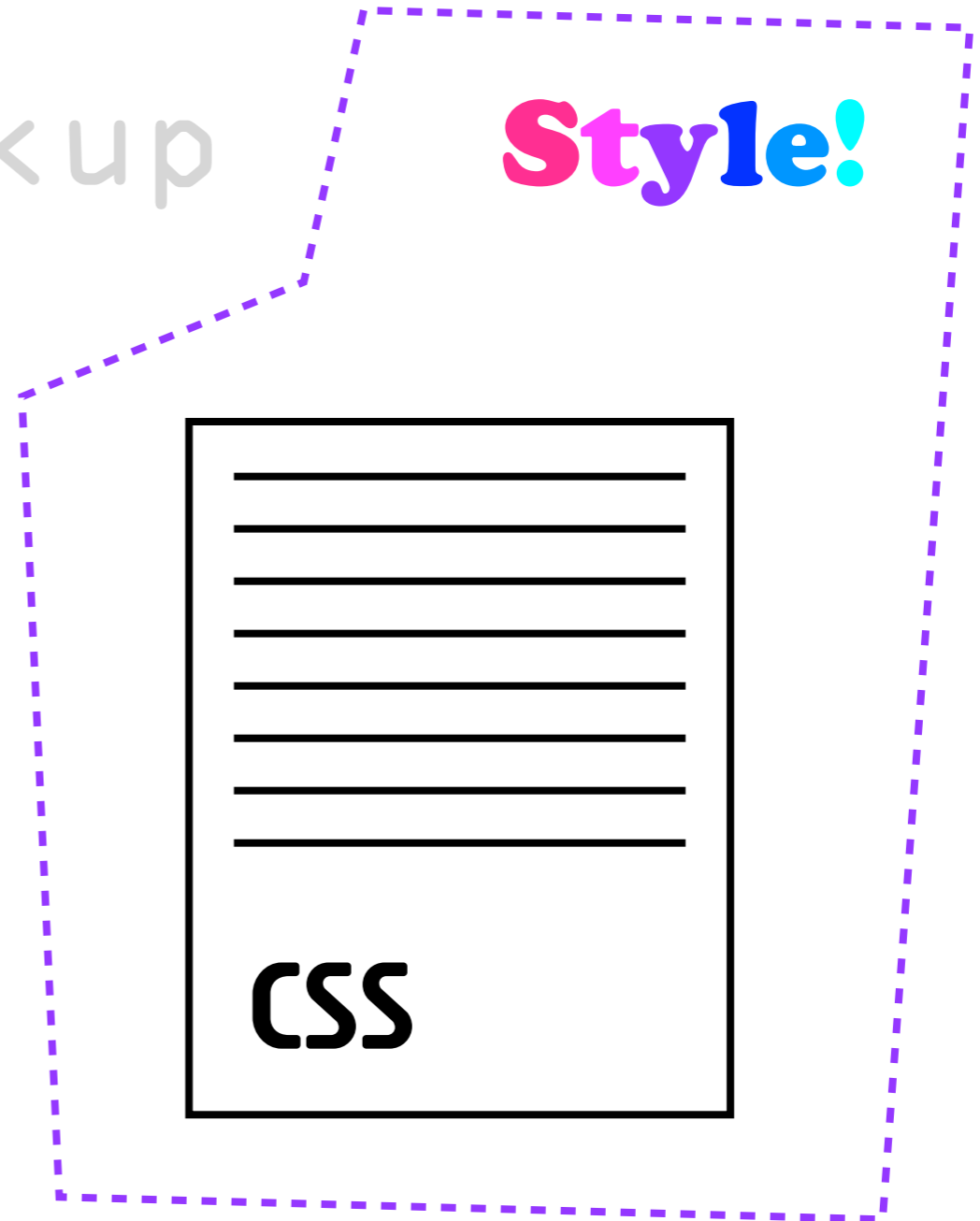
Style!



Content

Markup

Style!



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CSS Levels

Browser Default

No custom written CSS

↳ External

CSS stored in separate document from HTML

↳ Internal

CSS written within the **<HEAD>** of HTML

↳ Inline

Intermixed with tags throughout HTML document

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CSS Syntax

selector { *property*: *value*; }

CSS Syntax

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

```
selector {  
    property1: value;  
    property2: value;  
}
```

CSS Syntax

selector { *property*: *value*; }

Selectors

Select which element(s) to style

Properties

Style characteristics of HTML elements that we can change

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Basic CSS Selectors

h1 { *property: value;* }

strong { *property: value;* }

p { *property: value;* }

a { *property: value;* }

...

CSS Font/Text Properties

font-size

12px / 36px / 1em

e.g.,

font-size: 12px;

font-size: 1em;

CSS Font/Text Properties

font-family

Georgia, serif

Helvetica, Arial, sans-serif

Verdana, Geneva, sans-serif

“Courier New”, Courier, monospace

e.g.,

font-family: Georgia, serif;

CSS Font/Text Properties

font-style

normal / italic

line-spacing

12px / 36px / 2em

text-decoration

none / underline / line-through

CSS Font/Text Properties

color

blue

rgb(0, 0, 255)

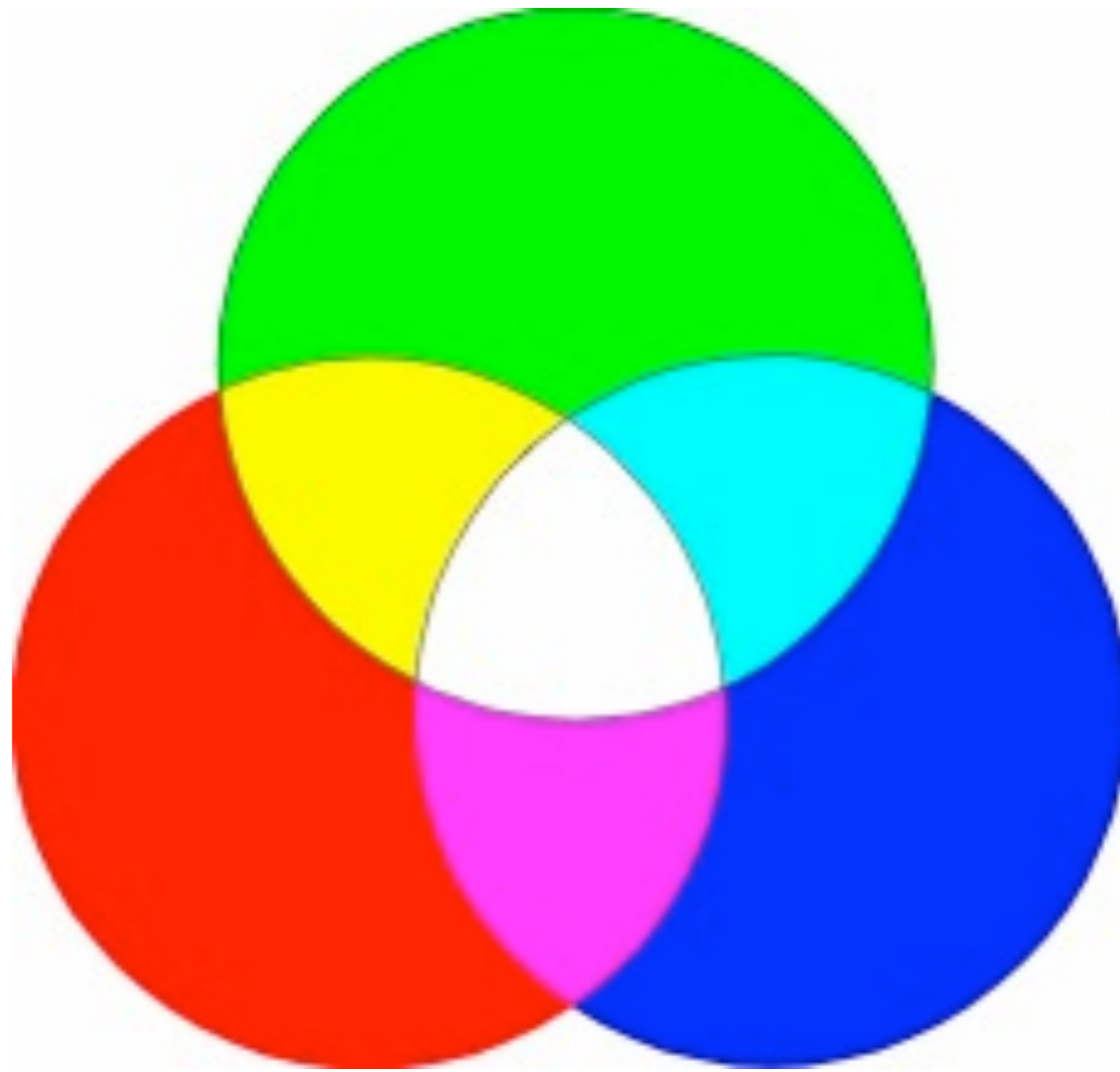
#0000ff

e.g.,

color: green;

color: #00ccff;

Additive Color (RGB)



Hexadecimal Colors

#000000

#ffffff

#00ff00

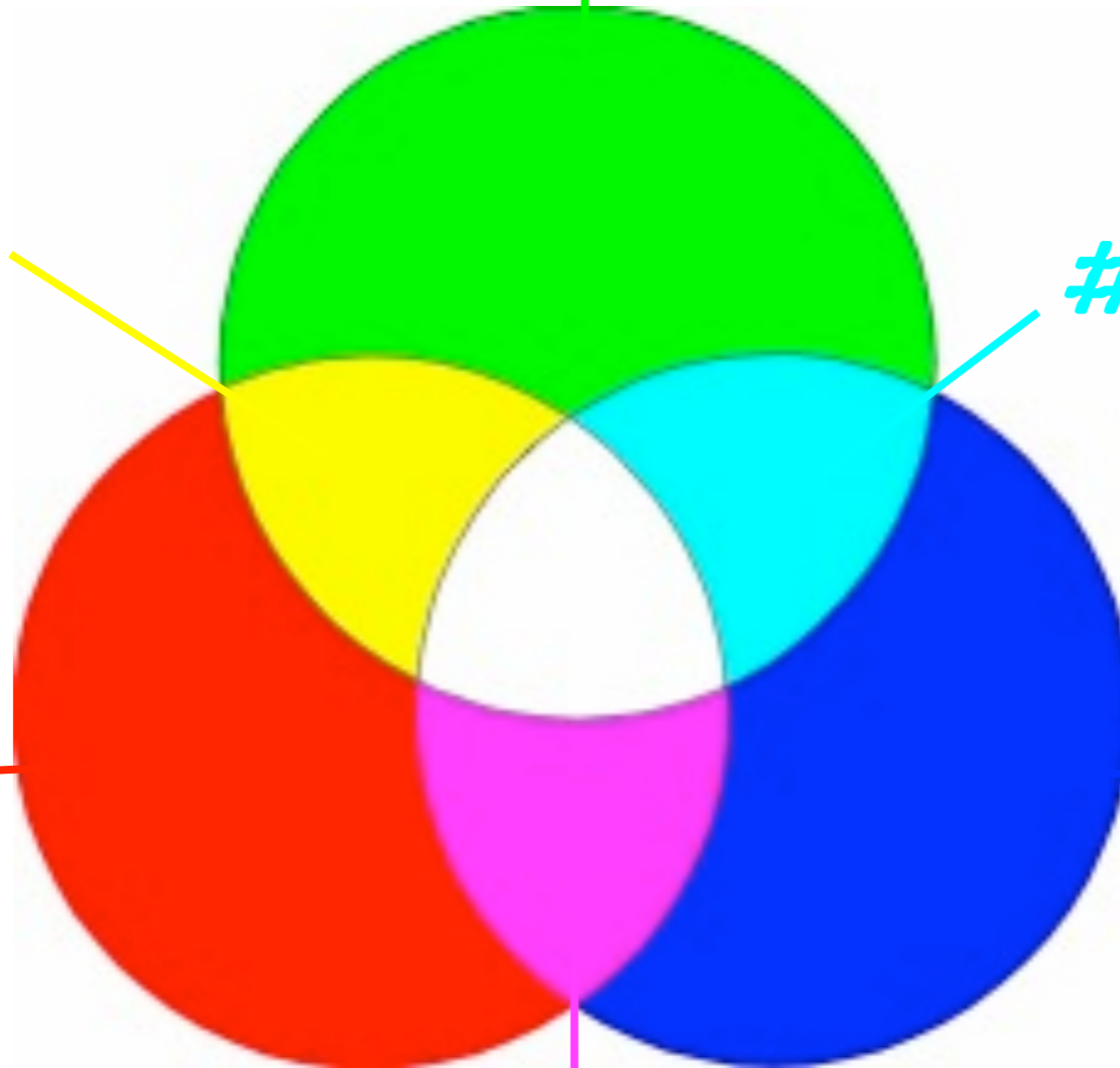
#ffff00

#00ffff

#ff0000

#0000ff

#ff00ff



CSS Margins/Padding

margin and **padding**

top, right, bottom, left

e.g.,

margin: 10px, 0px, 25px, 5px

padding: 5px

CSS Margins/Padding

border

thickness, style, color

e.g.,

border: 1px solid #000000;

border: 2px dashed #9900ff;

CSS Margins/Padding

background

color / url("image.jpg");

e.g.,

background: #eeeeee;

background: url("images/bg.gif");

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Inline CSS

```
<h1 style="font-size: 36px">Hello</h1>
```

Internal CSS

```
<head>
```

```
...
```

```
<style>
```

```
  h1 { font-size: 36px; }
```

```
  a { color: #ff6600; }
```

```
</style>
```

```
</head>
```

External CSS

```
<head>
```

```
...
```

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

```
</head>
```

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Week 3 Homework

Add style to the HTML elements in your website using one *external* css file.

Use at least a couple properties from each CSS category: **text, font, color, margins/padding, borders, background**