

Intro to CSS

Objectives

- Define CSS and the role that it plays in WebDev
- View websites before and after CSS has been added
- Understand the "general rule" for CSS syntax

Cascading Style Sheets

The "adjectives"

CSS Zen Garden

The Beauty of CSS Design

A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example [html file](#) and [css file](#)

The Road to Enlightenment

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WaSP, and the major browser creators.

The CSS Zen Garden invites you to relax and meditate on the important lessons of the masters. Begin to see with clarity. Learn to use the time-honored techniques in new and invigorating fashion. Become one with the web.

So What is This About?

There is a continuing need to show the power of CSS. The Zen Garden aims to excite, inspire, and encourage participation. To begin, view some of the existing designs in the list. Clicking on any one will load the style sheet into this very page. The HTML remains the same, the only thing that has changed is the external CSS file. Yes, really.

CSS allows complete and total control over the style of a hypertext document. The only way this can be illustrated in a way that gets people excited is by demonstrating what it can truly be, once the reins are placed in the hands of those able to create beauty from structure. Designers and coders alike have contributed to the beauty of the web; we can always push it further.

Participation

Strong visual design has always been our focus. You are modifying this page, so strong CSS



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The General Rule

reference existing HTML

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

Examples

```
/*Make All h1's purple and 56px font*/  
h1 {  
    color: purple;  
    font-size: 56px;  
}
```

```
/*Give All img's a 3px red border*/  
  
img {  
    border-color: red;  
    border-width: 3px;  
}
```

CSS Reference on MDN

Where do we write our styles?

Inline

`<h3 style="color: pink;">blah blah blah </h3>` Lots of duplications
`<h3 style="color: pink;">knock knock </h3>`

`<p style="color: yellow;">blah blah blah </p>`

Style Tag seperate html from CSS

```
<html>
<head>
  <title>About Rusty</title>
  <style type="text/css">
    li {
      color: red;
    }
  </style>
</head>
```

Bad Idea!

Inline

```
<h3 style="color: pink;">blah blah blah </h3>
```

```
<h3 style="color: pink;">knock knock </h3>
```

```
<p style="color: yellow;">blah blah blah </p>
```

Style Tag

```
<html>
```

```
<head>
```

```
  <title>About Rusty</title>
```

```
  <style type="text/css">
```

```
    li {
```

```
      color: red;
```

```
    }
```

```
  </style>
```

```
</head>
```


Write our CSS in a separate CSS file

Using the <link> tag

```
<!DOCTYPE html>
<html>
<head>
  <title>Demo Page</title>
  <link rel="stylesheet" type="text/css" href="app.css">
</head>
<body>

</body>
</html>
```

In our app.css file:

```
h1 {
  color: purple;
}

h3 {
  color: pink;
}
```

The Result

I'm an h1

And I'm an h3

MDN Element Reference

Closing Tags

```
<h1>I need a closing tag </h1>
```

```
<p>Me too!</p>
```

Self-Closing Tags

```
<!-- No closing tag or inner text needed -->
```

```

```

```
<link href="style.css">
```

```
<!-- Don't worry about what these tags do yet -->
```

Attributes

Adding Additional Information To Tags

```
<tag name="value"></tag>
```

```

```

```
<p class="selected">woof woof</p>
```

```
<a href="www.google.com">Click me to go to Google</a>
```

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

MDN Attribute Reference

Images

```

```



Links

```
<a href="url">Link Text</a>
```

```
<a href="www.google.com">Click me to go to Google</a>
```

```
<a href="www.reddit.com">Click me to go to Reddit</a>
```