



# CASCADING **STYLE SHEETS**

Introduction to CSS



<https://academy.evermight.com>



# WHAT IS CSS?

**Cascading Style Sheets (CSS)** is a language that consist of declarations / rules that describe the visual representation of HTML documents in a web browser. Here are 3 different ways to incorporate CSS into HTML:

## Inline

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
  <p style="color:red;">hello world</p>
</body>
</html>
```

## Style Block

```
<!DOCTYPE html>
<html>
<head>
  <style>
    p {color:red;}
  </style>
</head>
<body>
  <p>hello world</p>
</body>
</html>
```

## Separate File

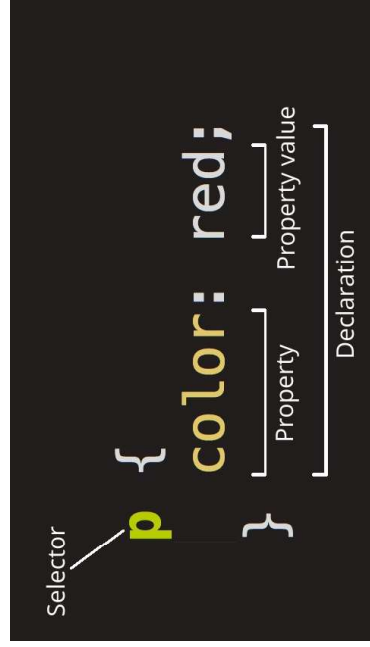
```
/* my-style.css */
p {color:red;}
```

```
<!DOCTYPE html>
<html>
<head>
  <link href="my-style.css" rel="stylesheet" />
</head>
<body>
  <p>hello world</p>
</body>
</html>
```

In all 3 examples above, the page will show **hello world** in red.



# ANATOMY OF CSS DECLARATION



**Selector** – The HTML tags to style. We will learn shortly that there are many ways to express the specific HTML tag you wish to style. In this example, we are selecting ALL `<p>` tags.

**Declaration** – The style rule to apply. In this example, we have only one declaration. However, we can have multiple style declarations separated by the semi-colon. Each declaration is made up of a **property** and a **property value**.

**Property** – The style property to change. There are many types of properties to choose from, most of which are obvious like font, background, padding, margin, etc...

**Property Value** – The specific style you wish to apply to a property. The acceptable properties will depend on the property you are trying to change.



# SELECTOR – <TAG>

As mentioned, you can select HTML tags by their tag name. Here are examples:

```
/* Anything between the forward slash and asterisk is a comment and ignored by web browsers */  
  
/* Make all paragraph tags blue, font size 15px, font face Arial */  
p {color:blue; font: 15px Arial; }  
  
/* Make all h1 tags have underline and bold */  
h1 {text-decoration:underline; font-weight:bold;}  
  
/* Make all img tags have 10px solid yellow border, and the image should be 500px by 10px */  
img {border:10px solid yellow; width:500px; height:10px;}  
  
/* The asterisks means everything. Make everything have green background color. */  
* {background-color: green; }
```