

## **Cascading Style Sheets (CSS)**

CSS is a language that describes the style of an HTML document.

CSS describes how HTML elements should be displayed.

- Style Sheets used for years in Desktop Publishing
- apply typographical styles and spacing to printed media

### **CSS**

- provides the functionality of style sheets (*and much more*) for web developers
- a flexible, cross-platform, standards-based language developed by the W3C.

### **CSS Advantages**

- Greater typography and page layout control
- Style is separate from structure
- Styles can be stored in a separate document and linked to from the web page
- Potentially smaller documents
- Easier site maintenance

### **Types of Cascading Style Sheets**

- 1- Inline Styles
- 2- Embedded Styles
- 3- External Styles
- 4- Imported Styles

## Types of Cascading Style Sheets

### 1- Inline Styles

- Configured in the body of the Web page
- Use the style attribute of an XHTML tag
- Apply only to the specific element

### 2- Embedded Styles

- Configured in the header section of a Web page.
- Use the XHTML <style> element
- Apply to the entire Web page document

### 3- External Styles

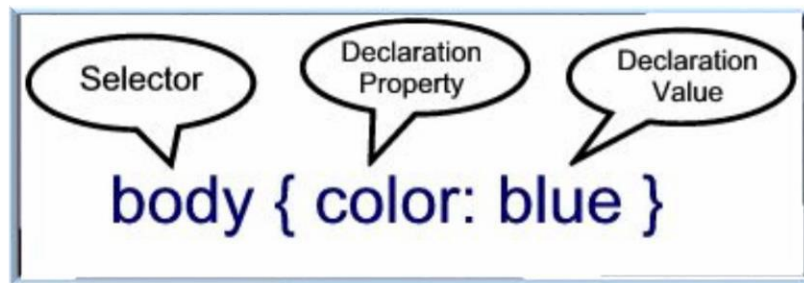
- Configured in a separate text file with .css file extension
- The XHTML <link /> element in the header section of a Web page associates it with the .css file

### 4- Imported Styles

- Similar to External Styles
- We'll concentrate on the other three types of styles

## CSS Syntax

- Style sheets are composed of "Rules" that describe the styling to be applied.
- Each Rule contains a Selector and a Declaration



## Syntax Sample

Configure a Web page to display blue text and yellow background.

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

This could also be written using hexadecimal color values as shown below.

```
body { color: #0000FF; background-color: #FFFF00; }
```

## Common Formatting CSS Properties

1. background-color
2. color
3. font-family
4. font-size

5. font-style
6. font-weight
7. line-height
8. margin
9. text-align
10. text-decoration
11. width

### **CSS Example**

```
body {  
  background-color: lightblue;  
}  
  
h1 {  
  color: white;  
  text-align: center;  
}  
  
p {  
  font-family: verdana;  
  font-size: 20px;  
}
```