Three ways to apply CSS to html

1. External
2. Internal
3. External

External CSS

Html file

<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

 <meta http-equiv="X-UA-Compatible" content="IE=edge">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <link rel="stylesheet" href="./styles.css">

 <title>Document</title>

</head>

<body>

 <p>this is  a paragraph</p>

</body>

</html>

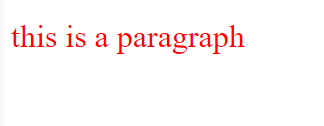
CSS file

p{

 color: red

}

Output



Internal CSS

Inside the head element

 <style>

  p{

   color: limegreen;

  }

If we keep these two in head section

<style>

     p{

      color: green;

     }

    </style>

    <link rel="stylesheet" href="./styles.css">

The last rule will be applied for the p element in html document

Inline CSS

<p style="color: blue;">this is a paragraph</p>

This takes precedence over internal and external CSS

If we make a mistake in CSS the relevant rule will be ignored.

Free online CSS validator: <https://jigsaw.w3.org/css-validator/>

Lesson 2 CSS Selectors

Element selector

body{

 font-size: 22px;

}

p{

 color: purple;

}

Class selector

Html document

<p  class="amitha">Lorem ipsum dolor sit amet consectetur adipisicing elit. Asperiores, accusantium reprehenderit minus at laborum quam ipsa eum quas sapiente. Incidunt hic, aliquam tenetur provident officiis iste dignissimos quaerat, magnam soluta vero nobis sit. </p>

CSS file

.amitha{

 color: grey;

}

Most commonly used selector, can be used more than once (not like ids)

ID selector

HTML file

<p class="amitha" id="second">Lorem ipsum dolor sit amet consectetur adipisicing elit. Asperiores, accusantium reprehenderit minus at laborum quam ipsa eum quas sapiente. Incidunt hic, aliquam tenetur provident officiis iste dignissimos quaerat, magnam soluta vero nobis sit. </p>

CSS file

#second{

 font-style: italic;

}

IDs should be unique. Try not to use them much.

Group selection

h1 , h2{

 color: blue;

}

Comma is a must

If it is h1 h2 then the styling will be applied only to h2s nested under h1

Nested selector

HTML file

 <h2>Article 2</h2>

 <p class="amitha" id="second">Lorem ipsum dolor sit amet consectetur adipisicing elit. Asperiores, accusantium reprehenderit <span>minus</span> dsdfsd </p>

CSS file

p span{

 text-transform: uppercase;

 background-color: gold;

}

It is better to use classes than using nested selectors

HTML file

<p class="amitha">

at laborum <span class="highlight">quam</span> ipsa

    </p>

CSS file

.highlight{

  text-transform: uppercase;

   background-color: green;

}

Universal Selector

Selects everything in html, used to CSS reset

\*{

 font-family: monospace ;

}

Cascading means working like a waterfall. Last rule applies

CSS File

p{

 color: purple;

}

p{

 color: brown;

}

Brown color will be applied for the p element since it is read at last. Specificity can override.

Classes have more specificity than elements. IDs are the most specific ones

**Specificity**

Elements < Classes < IDs

Inheritance

Inheriting styles of parent elements by child elements

Anything related to font and typography are inherited. While others are not.

Example

body{

 font-size: 22px;

}

Font size applied to entire body

body {

  font-size: 22px;

  border: 3px solid green;

}



Border applies to the body only not for other elements.

Note

Form element does not inherit typography settings

But if we want them to inherit we need to select related element then font: inherit;

button, input{

 font: inherit;

}

Universal selector is not related to inheritance. It is selecting all the elements.

We can use body element to write DRY code (don’t repeat yourself). Or we can use html element as well.

We can use main element as well as a semantic element.

We can use a nuclear solution in debugging but it is not advised

p {

  color: purple!important;

}

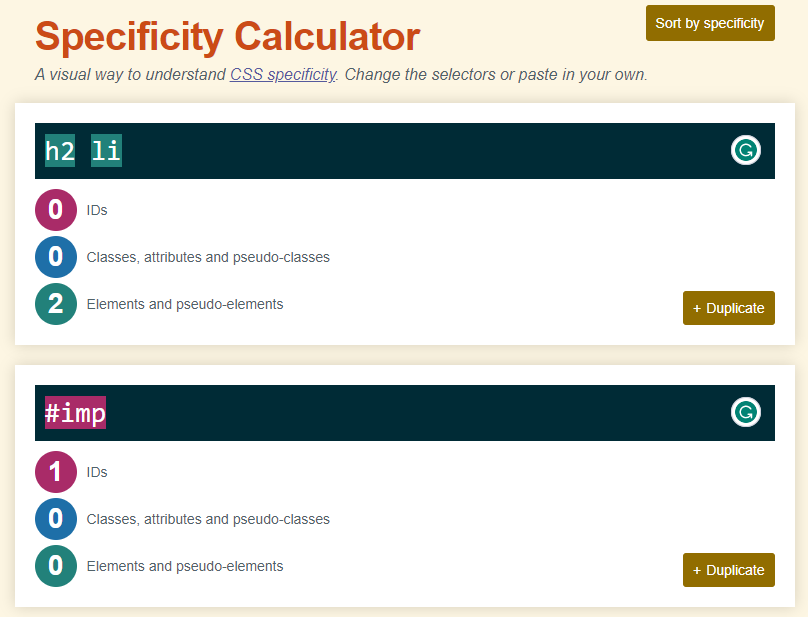
p {

  color: brown;

}

All the text will be converted into purple even font color is changed by classes.

**!important overrides everything. Don’t use it**

Specificity calculator: <https://specificity.keegan.st/>