

CSS

Selectors

A Beginner's Guide

Selector | —• **p** {
color: red ;
}



1. Universal Selector (*)

Description: Selects all elements in a document.

Example:

```
style.css
* {
  color: black;
}
```

Hint: The selected **element**

<html >

<head >

<title >Basic HTML Document**</title >**

</head >

<body >

<h1 >Welcome to My Website**</h1 >**

<p >This is a basic HTML document.**</p >**

</body >

</html >



2. Type Selector (Element Selector)

Description: Selects all elements of a specific type (HTML tag).

Example:

```
style.css
p {
  color: black;
}
```

Hint: The selected **element**

<html >

<head >

<title >Basic HTML Document**</title >**

</head >

<body >

<p >Welcome to My Website**</p >**

<p >This is a basic HTML document.**</p >**

</body >

</html >



3. Class Selector (.)

Description: Selects elements with a specific class.

Example:

```
style.css
.text {
  color: black;
}
```

Hint: The selected `element`

<html >

<head >

<title >Basic HTML Document**</title >**

</head >

<body >

<p class="text" >Welcome**</p >**

****HTML document.****

</body >

</html >



4. ID Selector (#)

Description: Select an element with a specific ID..

Example:

```
style.css
#text {
  color: black;
}
```

Hint: The selected `element`

```
<html >
<head>
  <title>Basic HTML Document</title>
</head>
<body>
  <p id="text"> Paragraph 1</p>
  <p >Paragraph 2</p>
</body>
</html>
```



5. Descendant Selector (**space**)

Description: Selects elements that are nested inside a specific element..

Example:

```
style.css
div p {
  color: black;
}
```

Hint: The selected **element**

```
<body>
  <div>
    <p> Paragraph 1</p>
    <p> Paragraph 2</p>
  </div>
  <p> Paragraph 3</p>
</body>
```



6. Child Selector (>)

Description: Selects elements that are direct children of a specific element.

Example:

```
style.css
div > p {
  color: black;
}
```

Hint: The selected **element**

```
<body>
  <div>
    <p> Paragraph 1</p>
    <p> Paragraph 2</p>
    <article>
      <p> Paragraph 3</p>
    </article>
  </div>
</body>
```



7. Adjacent Sibling Selector (+)

Description: Selects an element that is immediately adjacent to a specific element.

Example:

```
style.css
h1 + p {
  color: black;
}
```

Hint: The selected `element`

```
<body>
  <div>
    <h1> Paragraph 1</h1>
    <p> Paragraph 2</p>
    <p> Paragraph 3</p>
  </div>
</body>
```



8. General Sibling Selector (~)

Description: Selects all elements that are siblings of a specific element.

Example:

```
style.css
h1 ~ p {
  color: black;
}
```

Hint: The selected **element**

```
<body>
  <div>
    <h1> Paragraph 1</h1>
    <p> Paragraph 2</p>
    <p> Paragraph 3</p>
  </div>
</body>
```



9. Attribute Selector

Description: Selects elements based on the presence or value of an attribute.

Example:

```
style.css
input[type="text"]{
  color: black;
}
```

Hint: The selected `element`

```
<body>
  <div>
    <h1> Paragraph 1</h1>
    <p> Paragraph 2</p>
    <input type="text" />
  </div>
</body>
```



10. Grouping Selector (,)

Description: Selects multiple elements by grouping them with commas.

Example:

```
style.css
h1 , p{
  color: black;
}
```

Hint: The selected `element`

```
<body>
  <div>
    <h1> Paragraph 1</h1>
    <p> Paragraph 2</p>
    <input type="text" />
  </div>
</body>
```



11. Pseudo-classes (:)

Description: Selects elements in a specific state.

Example: `:hover`— When an element is hovered over

```
style.css
h1:hover{
  color: red;
}
```

Hint: The selected `element` will change its text color to red when the cursor hovers over it.

```
<body>
  <div>
    <h1> Paragraph 1</h1>
    <p> Paragraph 2</p>
    <input type="text" />
  </div>
</body>
```



12. Pseudo-elements (::)

Description: Selects part of an element.

Example: `::before` — Inserts content before an element.

```
style.css
h1::before{
  content: "Note: ";
}
```

Hint: This inserts text beforeThe selected `element`

```
<body>
  <div>
    <h1> Paragraph 1</h1>
    <p> Paragraph 2</p>
    <input type="text" />
  </div>
</body>
```



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