

Types of Selectors:

☑ 1. Universal Selector

Selects **all** elements.

```
* {  
  margin: 0;  
  padding: 0;  
}
```

☑ 2. Element Selector (Type Selector)

Targets a specific HTML tag.

```
p {  
  color: blue;  
}
```

☑ 3. Class Selector

Targets elements with a specific **class** attribute (uses a **.**).

```
.box {  
  border: 1px solid black;  
}
```

HTML:

```
<div class="box">This is a box</div>
```

☑ 4. ID Selector

Targets an element with a specific **id** (uses a **#**). IDs must be unique on a page.

```
#header {  
  background-color: gray;  
}
```

HTML:

```
<div id="header">Header Area</div>
```

✓ 5. Group Selector

Apply the same style to multiple elements at once (comma-separated).

```
h1,  
h2,  
p {  
  color: darkgreen;  
}
```

✓ 6. Descendant Selector

Targets elements **inside** another element.

```
div p {  
  font-style: italic;  
}
```

HTML:

```
<div>  
  <p>This paragraph will be italic.</p>  
</div>
```

✓ 7. Child Selector (>)

```
<style>  
  ul > li {  
    color: red;  
  }  
</style>  
  
<ul>  
  <li>Red item</li>  
</ul>
```

```
<li>Not red (nested)</li>
</ul>
</ul>
```

✓ 8. Adjacent Sibling Selector (+)

```
<style>
  h1 + p {
    color: orange;
  }
</style>

<h1>Heading</h1>
<p>This paragraph turns orange (right after h1).</p>
<p>This one does not (not adjacent).</p>
```

✓ 9. General Sibling Selector (~)

```
<style>
  h1 ~ p {
    color: purple;
  }
</style>

<h1>Main Heading</h1>
<p>This will be purple</p>
<p>This will also be purple</p>
<div>This won't be affected</div>
```

✓ 10. Attribute Selector

```
<style>
  input[type="text"] {
    border: 2px solid blue;
  }
</style>

<input type="text" placeholder="Text field" />
<input type="password" placeholder="Password field" />
```

✓ 11. Pseudo-class Selector

```
<style>
  a:hover {
    color: red;
  }

  li:first-child {
    font-weight: bold;
  }
</style>

<ul>
  <li>First item (bold)</li>
  <li>Second item</li>
</ul>

<a href="#">Hover over me</a>
```

✓ 12. Pseudo-element Selector

```
<style>
  p::first-line {
    font-weight: bold;
    color: green;
  }
</style>

<p>
  This is a paragraph with the first line styled differently. Keep writing to
  see the effect clearly.
</p>
```