**Simple selectors**

| **Selector** | **Syntax** | **Example** |
| --- | --- | --- |
| Element | element | **div {**  **}** |
| Class | .class | **.alpha { }** |
| ID | #id | **#alpha { }** |
| Universal | \* | **\* { }** |

**Variations of simple selectors**

| **Elements** | **Syntax** | **Example** | **Description** |
| --- | --- | --- | --- |
| Two classes | .first-class.second-class | **.alpha.beta { }** | All elements with classes alpha  and beta |
| Element and class | element.class | **p.alpha { }** | All alpha class elements  inside <p> |
| Two elements | element, element | **p, div { }** | All <p> and <div> e  lements |
| Two elements | element element | **p div { }** | All <div> elements  inside <p> |

**Descendant selectors/combinators**

| **Selector** | **Syntax** | **Example** | **Description** |
| --- | --- | --- | --- |
| Descendant | element element | **div p { }** | All <p> descendants of <div> |
| Child | element>element | **div > p { }** | All <p> direct descendants of <div> |
| Adjacent Sibling | element+element | **div + p { }** | <p> element directly after <div> |
| General Sibling | element~element | **div ~ p { }** | All <p> element iterations after <div> |

**Attribute selectors**

| **Selector** | **Syntax** | **Example** |
| --- | --- | --- |
| [attribute] | **[href] {**  **}** | Selects all elements with a href attribute |
| [attribute=value] | **[lang="fr"] {**  **}** | Selects all elements with lang attribute that has a value of "fr" |
| [attribute~=value] | **[input~=hello] {**  **}** | Elements with input attribute containing the whitespace separated substring "hello" |
| [attribute|=value] | **[lang|=en] {**  **}** | Elements with lang attribute value equal to "en" or "en-"(en hyphen) |
| [attribute^=value] | **a[href^="https"] {**  **}** | Every <a> element with href attribute value begins with "https" |
| [attribute$=value] | **a[href$=".docx"] {**  **}** | Every <a> element with href attribute value ends with ".docx" |
| [attribute\*=value] | **a[href\*="meta"] {**  **}** | Every <a> element with href attribute value has substring "meta" |
| **Pseudo-class** | **Example** | **Description of selection** |
| :active | **a:active { }** | All active links |
| :checked | **input:checked { }** | All the checked <input> elements |
| :default | **input:default { }** | All default <input> elements |
| :disabled | **input:disabled { }** | All disabled <input> elements |
| :empty | **div:empty { }** | All the <div> elements with no children |
| :enabled | **input:enabled { }** | All the enabled <input> elements |
| :first-child | **p:first-child { }** | All the <p> elements who are the first child of a parent element |
| :first-of-type | **p:first-of-type { }** | All the <p> element who are the first <p> element of a parent element |
| :focus | **input:focus { }** | Input element under focus |
| :fullscreen | **:fullscreen { }** | The element in full-screen mode |
| :hover | **p:hover { }** | Action effect on mouse hover |
| :invalid | **input:invalid { }** | Input elements with an invalid value |
| :last-child | **p:last-child { }** | All the <p> elements who are the last child of a parent element |
| :last-of-type | **p:last-of-type { }** | All the <p> elements who are the last <p> element of a parent element |
| :link | **a:link { }** | All unvisited links |
| :not(*selector*) | **:not(div) { }** | All the elements that are not a <div> element |
| :nth-child(*n*) | **div:nth-child(3) { }** | All the <p> elements that are the third child of a parent element |
| :nth-last-child(*n*) | **div:nth-last-child(3) { }** | All the <div> elements which are the third child of a parent element, counting from last child element |
| :nth-last-of-type(*n*) | **p:nth-last-of-type(2) { }** | The second sibling from the last child of a parent element. |
| :nth-of-type(*n*) | **p:nth-of-type(2) { }** | The second sibling of a parent element. |
| :only-of-type | **p:only-of-type { }** | All the <p> elements which are only <p> elements inside its parent |
| :only-child | **p:only-child { }** | All the <p> elements which are only child of a parent element |
| :optional | **input:optional { }** | The input elements with no "required" attribute |
| :required | **input:required { }** | Selects input elements with the "required" attribute specified |
| :root | **:root { }** | The Root element of document |
| ::selection | **::selection { }** | The portion of an element that is selected by a user |
| :valid | **input:valid { }** | All the input elements with a valid value |
| :visited | **a:visited { }** | Selects all visited links |

**Pseudo-element selectors**

| **Syntax** | **Example** | **Description** |
| --- | --- | --- |
| ::after | **p::after { }** | Inserts content after content of <p> element |
| ::before | **p::before { }** | Inserts content before content of <p> element |
| ::first-letter | **p::first-letter { }** | Selects first letter of every <p> element |
| ::first-line | **p::first-line { }** | Selects first line of every <p> element |
| ::placeholder | **input::placeholder { }** | Selects input elements with "placeholder" attribute specified |
| ::marker | **::marker { }** | Selects markers in a list |