**CSS Pseudo cheat sheet**

**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> elements |
| 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 |