

COMPLETE CSS CHEATSHEET

DEVELOPE SHAURYA

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CheatSheet

CSS

CSS CheatSheet – A Quick Guide for Beginners & Developers

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This CheatSheet covers these all topics from basic to advance concept of CSS

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1. CSS Selectors

```
p { color: blue; }           /* element selector */
#id { color: red; }          /* id selector */
.class { color: green; }     /* class selector */
* { margin: 0; }             /* universal selector */

div p { color: purple; }     /* descendant */
div > p { color: pink; }     /* direct child */
div + p { color: orange; }   /* adjacent sibling */
div ~ p { color: teal; }     /* general sibling */

input[type="text"] { color: blue; }
a[target="_blank"] { color: red; }

ul li:first-child { font-weight: bold; }
ul li:last-child { font-style: italic; }
ul li:nth-child(2) { color: orange; }
```

2. Colors

```
color: red;
color: #ff0000;
color: rgb(255,0,0);
color: rgba(255,0,0,0.5);
color: hsl(0,100%,50%);
opacity: 0.8;
```

3. Text

```
font-family: Arial, sans-serif;  
font-size: 16px;  
font-weight: bold;  
font-style: italic;  
text-align: center;  
text-decoration: none;  
text-transform: uppercase;  
line-height: 1.5;  
letter-spacing: 2px;  
word-spacing: 5px;  
white-space: nowrap;  
overflow: hidden;  
text-overflow: ellipsis;
```

4. Box Model

```
width: 200px;  
height: 100px;  
max-width: 100%;  
min-height: 50px;  
margin: 10px auto;  
padding: 20px;  
border: 2px solid black;  
border-radius: 10px;  
box-shadow: 2px 2px 10px rgba(0,0,0,0.2);  
box-sizing: border-box;
```

5. Background

```
background-color: lightblue;
background-image: url("image.jpg");
background-repeat: no-repeat;
background-size: cover;
background-position: center;
background-attachment: fixed;
background-clip: content-box;
background-origin: border-box;

background: linear-gradient(to right, red, yellow);
background: radial-gradient(circle, red, yellow, green);
```

6. Display & Positioning

```
display: block;
display: inline;
display: inline-block;
display: none;

visibility: hidden;

position: static;
position: relative;
position: absolute;
position: fixed;
position: sticky;

float: left;
clear: both;

z-index: 100;

overflow: hidden;
overflow-x: auto;
overflow-y: scroll;
```

7. Flexbox

```
display: flex;
flex-direction: row;
flex-direction: column-reverse;

justify-content: center;
justify-content: space-between;

align-items: center;
align-self: flex-start;

gap: 10px;
flex-wrap: wrap;

flex: 1;
```

8. Grid

```
display: grid;
grid-template-columns: repeat(3, 1fr);
grid-template-rows: auto;
grid-auto-rows: minmax(100px, auto);

gap: 10px;

grid-column: 1 / 3;
grid-row: 1 / 2;

align-items: start;
justify-items: center;
place-items: center;
```

9. Transitions & Animations

```
div {  
  transition: all 0.3s ease-in-out;  
}  
div:hover {  
  transform: scale(1.1) rotate(5deg);  
}  
  
@keyframes bounce {  
  0% { transform: translateY(0); }  
  50% { transform: translateY(-20px); }  
  100% { transform: translateY(0); }  
}  
  
div {  
  animation: bounce 1s infinite alternate;  
}  
  
animation-delay: 0.5s;  
animation-iteration-count: infinite;  
animation-timing-function: ease-in-out;
```


10. Common Units

```
px → pixels  
% → relative to parent  
em → relative to parent font size  
rem → relative to root font size  
vh / vw → viewport height / width  
fr → grid fraction unit  
ch → width of "0" character  
ex → height of lowercase "x"  
vmin / vmax → relative to viewport smallest/largest dimension
```

11. Pseudo-classes & Pseudo-elements

```
a:hover { color: red; }  
a:active { color: green; }  
a:visited { color: purple; }  
  
p::first-letter { font-size: 24px; }  
p::before { content: " "; }  
p::after { content: " "; }  
  
input:focus { border: 2px solid blue; }  
input:disabled { background: #ccc; }  
  
:root { --main-color: blue; }
```

12. CSS Variables

```
:root {  
  --main-color: #3498db;  
  --padding: 10px;  
}  
div {  
  color: var(--main-color);  
  padding: var(--padding);  
}
```

13. Transformations

```
transform: translate(50px, 100px);  
transform: rotate(45deg);  
transform: scale(1.5);  
transform: skew(20deg, 10deg);  
transform-origin: center;
```

14. Filters

```
filter: blur(5px);  
filter: brightness(120%);  
filter: contrast(150%);  
filter: grayscale(100%);  
filter: hue-rotate(90deg);  
filter: invert(100%);  
filter: opacity(50%);  
filter: saturate(200%);  
filter: sepia(100%);
```