



CSS Cheatsheet

Basics

1. Selectors

```
element { ... }      /* Selects all <element> */  
.class { ... }        /* Selects all elements with class="class" */  
#id { ... }           /* Selects the element with id="id" */  
* { ... }             /* Selects all elements */
```

2. Comments

```
/* This is a comment */
```

3. Box Model

```
element {  
  margin: 10px;      /* Outer space of element */  
  border: 1px solid black; /* Border of element */  
  padding: 10px;     /* Inner space of element */  
  width: 100px;      /* Width of content area */  
  height: 100px;     /* Height of content area */  
}
```

Text and Font

1. Font

```
element {  
  font-family: Arial, sans-serif; /* Font family */  
  font-size: 16px;                /* Font size */  
  font-weight: bold;              /* Font weight: normal, bold, bolder, lighter, or number (100-900) */  
  font-style: italic;             /* Font style: normal, italic, oblique */  
  color: #333;                   /* Text color */  
  text-align: center;            /* Text alignment: left, right, center, justify */  
  text-decoration: underline;     /* Text decoration: none, underline, overline, line-through */  
  line-height: 1.5;              /* Line height */  
  letter-spacing: 2px;           /* Letter spacing */  
  text-transform: uppercase;      /* Text transform: none, capitalize, uppercase, lowercase */  
}
```

Background and Color

1. Background

```
element {  
  background-color: #f0f0f0;    /* Background color */  
  background-image: url('image.jpg'); /* Background image */  
  background-repeat: no-repeat;  /* Background repeat: repeat, no-repeat, repeat-  
x, repeat-y */  
  background-position: center;  /* Background position: left, right, center, top, bottom, or  
x y */  
  background-size: cover;      /* Background size: auto, cover, contain */  
  opacity: 0.8;                /* Opacity: 0 to 1 */  
}
```

2. Color

```
element {  
  color: #333;                  /* Text color */  
  background-color: #f0f0f0;    /* Background color */  
  border-color: #ccc;           /* Border color */  
}
```

Box Model

1. Margin and Padding

```
element {  
  margin: 10px;      /* Margin on all sides */  
  margin-top: 10px; /* Margin top */  
  margin-right: 10px; /* Margin right */  
  margin-bottom: 10px; /* Margin bottom */  
  margin-left: 10px; /* Margin left */  
  
  padding: 10px;     /* Padding on all sides */  
  padding-top: 10px; /* Padding top */  
  padding-right: 10px; /* Padding right */  
  padding-bottom: 10px; /* Padding bottom */  
  padding-left: 10px; /* Padding left */  
}
```

2. Border

```
element {  
  border: 1px solid #000; /* Border width, style, and color */  
  border-width: 2px; /* Border width */  
  border-style: solid; /* Border style: none, solid, dotted, dashed, double */  
  border-color: #000; /* Border color */  
  border-radius: 5px; /* Rounded corners */  
}
```

Layout

1. Display

```
element {  
  display: block;           /* Block-level element */  
  display: inline;          /* Inline element */  
  display: inline-block;    /* Inline-block element */  
  display: none;            /* Hides the element */  
}
```

2. Positioning

```
element {  
  position: static;         /* Default positioning */  
  position: relative;       /* Relative positioning */  
  position: absolute;       /* Absolute positioning */  
  position: fixed;          /* Fixed positioning */  
  position: sticky;         /* Sticky positioning */  
  top: 10px;                /* Top offset */  
  right: 10px;              /* Right offset */  
  bottom: 10px;            /* Bottom offset */  
  left: 10px;               /* Left offset */  
  z-index: 10;              /* Z-index */  
}
```

3. Float

```
element {  
  float: left;              /* Float left */  
  float: right;             /* Float right */  
  clear: both;              /* Clear floats: left, right, both */  
}
```

4. Flexbox

```
container {  
  display: flex;            /* Flex container */  
  flex-direction: row;      /* Direction: row, row-reverse, column, column-reverse */  
  flex-wrap: wrap;          /* Wrapping: nowrap, wrap, wrap-reverse */  
  justify-content: center;  /* Alignment: flex-start, flex-end, center, space-between, space-around */  
  align-items: center;      /* Alignment: flex-start, flex-end, center, baseline, stretch */  
}
```

```
item {  
  flex: 1;                 /* Flex grow, shrink, basis */  
}
```

```
align-self: center;          /* Alignment: auto, flex-start, flex-end, center, baseline, stretch */
*/
}
```

5. Grid

```
container {
  display: grid;              /* Grid container */
  grid-template-columns: repeat(3, 1fr); /* Column layout */
  grid-template-rows: repeat(3, 1fr);   /* Row layout */
  gap: 10px;                  /* Gap between items */
}

item {
  grid-column: span 2;        /* Column span */
  grid-row: span 2;           /* Row span */
}
```

Responsive Design

1. Media Queries

```
@media (max-width: 600px) {  
  element {  
    font-size: 12px;  
    display: block;  
  }  
}
```

2. Units

```
element {  
  width: 50%;           /* Percentage */  
  height: 100vh;        /* Viewport height */  
  padding: 2em;         /* Em units */  
  margin: 10rem;        /* Rem units */  
}
```


Animation

1. Transitions

```
element {  
  transition: all 0.3s ease;      /* Transition effect */  
}
```

2. Keyframes

```
@keyframes mymove {  
  from {background-color: red;}  
  to {background-color: yellow;}  
}
```

```
element {  
  animation: mymove 5s infinite; /* Animation effect */  
}
```

Miscellaneous

1. **Visibility**

```
element {  
  visibility: hidden; /* Hidden but takes space */  
  display: none; /* Hidden and doesn't take space */  
}
```

2. **Overflow**

```
element {  
  overflow: visible; /* Default overflow */  
  overflow: hidden; /* Hide overflow */  
  overflow: scroll; /* Scroll overflow */  
  overflow: auto; /* Auto overflow */  
}
```