

CSS Cheetsheet in One Page

Selectors & Combinators

- * → Universal selector
- #id → ID selector
- .class → Class selector
- element → Type selector
- element1, element2 → Group selector
- element element → Descendant selector
- element > element → Child selector
- element + element → Adjacent sibling selector
- element ~ element → General sibling selector

Css Grid

```
.container {  
  display: grid;  
  grid-template-columns: repeat(3, 1fr);  
  gap: 10px;  
}
```

FlexBox

```
.container {  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  gap: 10px;  
}
```

- justify-content: (flex-start | center | flex-end | space-between | space-around)
- align-items: (stretch | center | flex-start | flex-end | baseline)

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Box Model

- margin → Space outside the border
- border → Defines border
- padding → Space inside the border
- width / height → Define size

```
.box {  
  margin: 10px;  
  border: 2px solid black;  
  padding: 10px;  
  width: 200px;  
  height: 100px;  
}
```

Colors and Backgrounds

```
.element {  
  color: #ff5733;  
  background-color: #f4f4f4;  
  background-image: url("image.jpg");  
  opacity: 0.8;  
}
```

Media Queries (Responsiveness)

```
@media (max-width: 600px) {  
  body { background-color: lightgray; }  
}
```

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Typography

```
p {  
  font-family: Arial, sans-serif;  
  font-size: 16px;  
  font-weight: bold;  
  line-height: 1.5;  
  letter-spacing: 2px;  
  text-transform: uppercase;  
  text-align: center;  
  text-decoration: underline;  
}
```

Transition and Animations

```
.element {  
  transition: all 0.3s ease-in-out;  
}
```

```
@keyframes example {  
  from {opacity: 0;}  
  to {opacity: 1;}  
}
```

Positioning

- static (default)
- relative
- absolute
- fixed
- sticky

```
.box {  
  position: absolute;  
  top: 50px;  
  left: 100px;  
}
```

Pseudo classes and Elements (hover effect)

```
a:hover { color: red; }  
p::first-letter { font-size: 2em; }
```

CSS Variables

```
:root {  
  --primary-color: #3498db;  
}  
.box {  
  background-color: var(--primary-color);  
}
```

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