

Swipe



# All **CSS** Functions



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# 1. calc() :

Perform calculations for dynamic sizing

```
width: calc(100% - 50px);
```

# 2. rgba() :

Set colors with opacity.

```
background-color: rgba(255, 0, 0, 0.5);
```

# 3. hsl() :

Set colors using hue, saturation, and lightness

```
color: hsl(120, 100%, 50%);
```

## 4. url() :

Link external files like images.

```
background-image: url('image.jpg');
```

## 5. var() :

Use CSS variables.

```
:root {  
  --primary-color: blue;  
}  
color: var(--primary-color);
```

## 6. min() :

Choose the smallest value between two or more values.

```
width: min(50%, 300px);
```



## 7. max():

Choose the largest value between two or more values.

```
width: max(50%, 300px);
```

## 8. clamp():

Limit a value between a defined range.

```
font-size: clamp(12px, 2vw, 24px);
```

## 9. attr():

Retrieve and display an attribute from HTML.

```
content: attr(data-tooltip);
```

## 10. rotate() :

Rotate an element by a specified angle.

```
transform: rotate(45deg);
```

## 11. translate() :

Move an element along the X or Y axis.

```
transform: translate(20px, 10px);
```

## 12. scale() :

Resize an element.

```
transform: scale(1.5);
```



## 13. skew() :

Skew an element along the X or Y axis.

```
transform: skew(20deg, 10deg);
```

## 14. perspective() :

Apply a 3D perspective to elements.

```
transform: perspective(500px) rotateY(45deg);
```

## 15. cubic-bezier() :

Customize transition timing function :

```
transition: all 0.5s cubic-bezier(0.68, -0.55, 0.27, 1.55);
```

## 16. **matrix()**:

Apply a 2D transformation using a matrix of values.

```
transform: matrix(1, 0, 0, 1, 30, 30);
```

## 17. **steps()** :

Control the number of steps in a transition.

```
transition: transform 1s steps(4);
```

## 18. **blur()**:

Apply a blur effect to an element.

```
filter: blur(5px);
```



## 19. **brightness()** :

Adjust the brightness of an element.

```
filter: brightness(150%);
```

## 20. **contrast()** :

Adjust the contrast of an element.

```
filter: contrast(200%);
```

## 21. **grayscale()** :

Convert an element to grayscale.

```
filter: grayscale(100%);
```



## 22. invert() :

Invert the colors of an element.

```
filter: invert(100%);
```

## 23. opacity():

Change the opacity of an element.

```
filter: opacity(50%);
```

## 24. saturate() :

Adjust the saturation of an element.

```
filter: saturate(300%);
```