

## CSS Transition Property 🎨 ✨

The **CSS transition** property is used to smoothly animate changes in CSS properties. Instead of instant changes, transitions create a smooth and modern user experience without using JavaScript.

### 💡 What is a Transition?

A transition allows a CSS property to change **gradually over a specified duration** when triggered by events like `hover`, `focus`, or `active`.

#### Examples:

- Button color changes smoothly on hover
- Card lifts smoothly when hovered

### 🧠 Why Use Transitions?

- ✓ Improves UI/UX
- ✓ Makes interfaces interactive
- ✓ Lightweight and simple
- ✓ No JavaScript required

### ◆ Transition Shorthand Syntax

```
transition: property duration timing-function delay;
```

## 1 transition-property

```
transition-property: all;  
transition-property: width;  
transition-property: height;  
transition-property: opacity;  
transition-property: transform;  
transition-property: background-color;  
transition-property: color;
```

## 2 transition-duration

```
transition-duration: 0.2s;  
transition-duration: 0.3s;  
transition-duration: 0.5s;  
transition-duration: 1s;  
transition-duration: 200ms;
```

## 3 transition-timing-function

```
transition-timing-function: ease;  
transition-timing-function: linear;  
transition-timing-function: ease-in;  
transition-timing-function: ease-out;  
transition-timing-function: ease-in-out;  
transition-timing-function: cubic-bezier(0.4, 0, 0.2, 1);
```

## transition-delay

```
transition-delay: 0s;  
transition-delay: 0.2s;  
transition-delay: 0.5s;  
transition-delay: 300ms;
```