

Day 10

CSS

# Transitions

CSS Learning series



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# What Are CSS Transitions?

**CSS Transitions** enable smooth changes between property values over a specified duration. Instead of a property changing abruptly, transitions let it animate gradually.

**To create a transition effect, you must specify two things:**

- the CSS property you want to add an effect to
- the duration of the effect

**We will learn about the following properties:**

- **transition**
- **transition-delay**
- **transition-duration**
- **transition-property**
- **transition-timing-function**



# Syntax:



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

Parameter	Description	Example
<code>property</code>	The CSS property you want to animate.	<code>background-color</code> , <code>width</code>
<code>duration</code>	How long the transition should take.	<code>0.5s</code> , <code>200ms</code>
<code>timing-function</code>	Defines the acceleration curve of the transition (easing).	<code>ease</code> , <code>linear</code> , <code>ease-in-out</code>
<code>delay</code>	When the transition should start.	<code>0s</code> , <code>1s</code>



# Commonly Transitioned Properties

**Not all properties can be transitioned. Here are some commonly used ones:**

- **background-color**
- **width, height**
- **margin, padding**
- **opacity**
- **transform**
- **color**
- **border**
- **box-shadow**



# transition-timing-function

- **ease** - specifies a transition effect with a slow start, then fast, then end slowly (this is default)
- **linear** - specifies a transition effect with the same speed from start to end
- **ease-in** - specifies a transition effect with a slow start
- **ease-out** - specifies a transition effect with a slow end
- **ease-in-out** - specifies a transition effect with a slow start and end
- **cubic-bezier(n,n,n,n)** - lets you define your own values in a cubic-bezier function



# Longhand Example



```
transition-property: background-color;  
transition-duration: 0.5s;  
transition-timing-function: ease-in-out;  
transition-delay: 0.2s;
```

# Shorthand Example



```
.box {  
  transition: background-color 0.3s ease-in-out 0.2s;  
}
```



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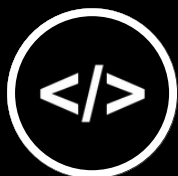
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