CSS Transition Fundamentals

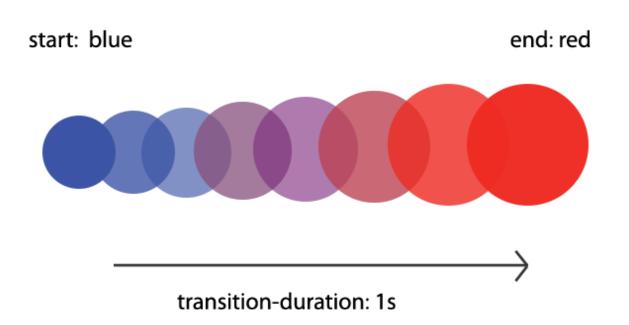


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CSS Transition
CSS Transform



CSS Transition Properties

2D/3D Transform

CSS Vendor Prefixes

CSS Transition Fundamentals

CSS Transition & 2D Transform

Animating in 3D

Final Project

Course Requirements

CSS Transition Properties

CSS Transition: how it works?

Browser Support & Vendor Prefixes

CSS Transition Demos

CSS Transition Fundamentals

Course Requirements



What You Should Know



No Javascript

What You Should Know



No Javascript



Code Editor

Sublime Text - PC & MAC

http://www.sublimetext.com/



Code Editor

Text Mate- MAC

https://macromates.com/



Code Editor

Notepad++ - PC

http://notepad-plus-plus.org/



Modern Browser

Chrome

https://www.google.ca/intl/en/chrome



Modern Browser

Firefox

https://www.mozilla.org/en-US/firefox/



Demo Files

Downloadable zip folder

Code Editor



Modern Browser



Demo Files



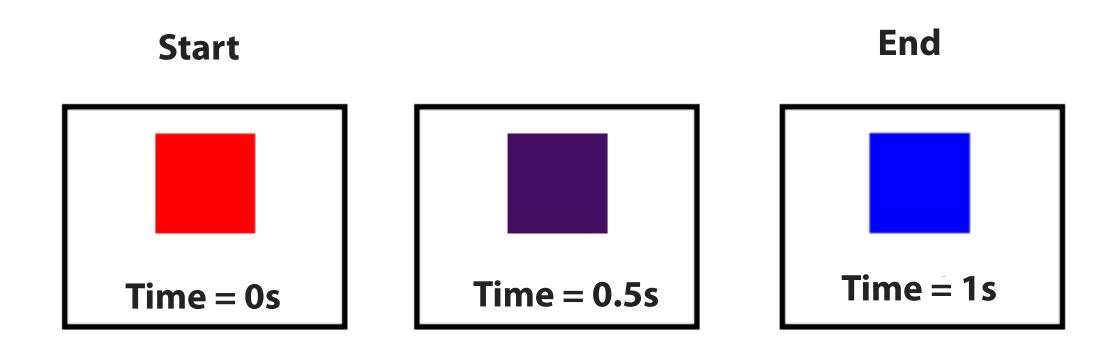
CSS Transition Fundamentals

CSS Transition Properties

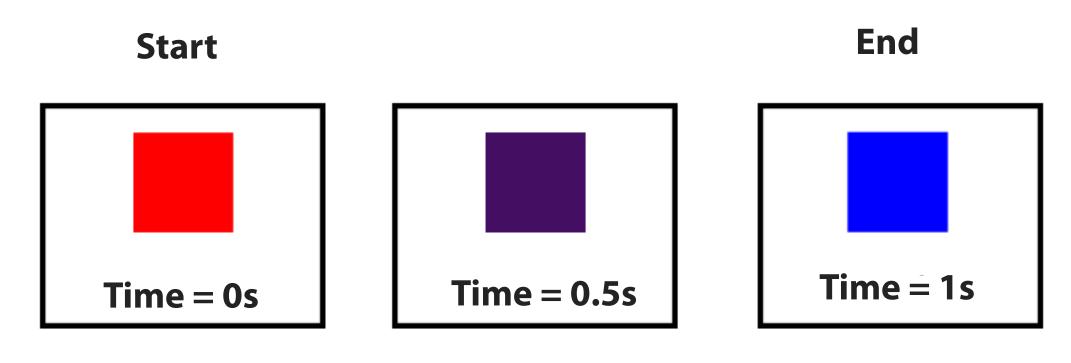
Definition

CSS Transition allows property changes in CSS Values to occur smoothly over a specified duration

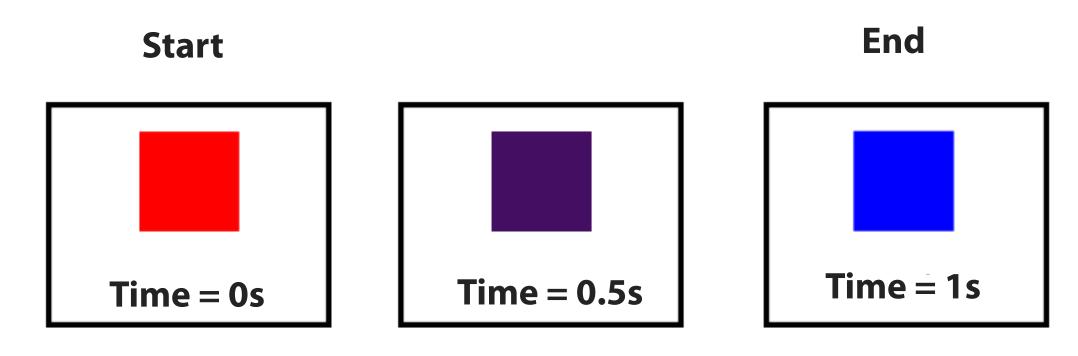
Source: http://www.w3.org/TR/css3-transitions/



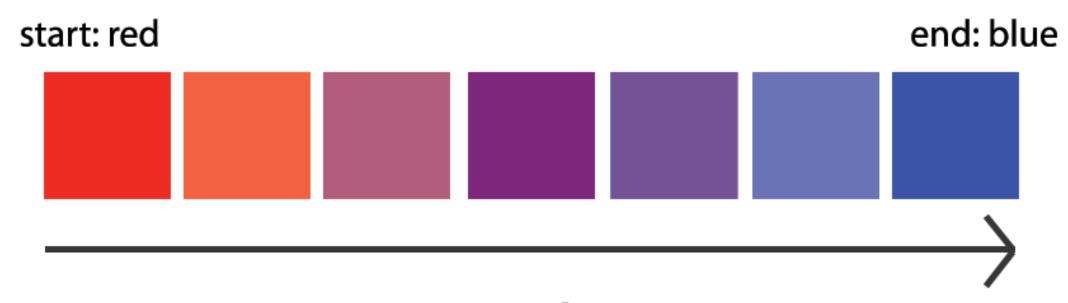
Initial State



Final State



Intermediate State



Transition-duration: 1s

CSS Transition Properties

Transition-property:

Specifies name or names of CSS Properties to animate

Transition-duration:

Specifies duration of the animation

Transition-delay

Transition-timing-function

CSS Transition Fundamentals

CSS Transition: how it works?

```
.box {
height: 100px;
width: 100px;
background-color: red;
}
```

Initial State

```
.box {
height: 100px;
width: 100px;
background-color: red;
}

.box:hover {
height: 100px;
width: 100px;
background-color: blue;
}
```

Final State

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition-property: background-color;
}
.box:hover {
height: 100px;
width: 100px;
background-color: blue;
}
```

Initial State

Final State

Initial State

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition-property: background-color;
}

.box:hover {
height: 100px;
width: 100px;
background-color: blue;
}
```

Final State

pluralsight₀

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition-property: background-color;
}
.box:hover {
height: 100px;
width: 100px;
background-color: blue;
}
```

Initial State

Final State

Definition

CSS Transition allows property changes in CSS Values to occur smoothly <u>over a specified duration</u>

Source: http://www.w3.org/TR/css3-transitions/

The transition-duration

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition-property: background-color;
transition-duration: 1s;
}
Initial State
.box:hover {
height: 100px;
background-color;
background-color: blue;

Final State
```

CSS Transition Fundamentals

Browser Support and Vendor Prefixes

Cross-browser compatibility

Experimental implementation (e.g working draft)

```
- webkit - //Chrome, Safari
- moz - // Firefox
- o - // Opera
- ms - // Microsoft Internet Explorer
standard property
```

```
.box {
                                                 .box:hover {
height: 100px;
                                                height: 100px;
width: 100px;
                                                width: 100px;
background-color: red;
                                                background-color: blue;
transition-property: background-color;
-webkit-transition-property: background-color; }
-moz-transition-property: background-color;
-o-transition-property: background-color;
-ms-transition-property: background-color;
transition-duration: 1s:
```

```
.box {
                                                 .box:hover {
height: 100px;
                                                height: 100px;
width: 100px;
                                                width: 100px;
background-color: red;
                                                background-color: blue;
transition-duration: 1s:
-webkit-transition-property: background-color; }
-moz-transition-property: background-color;
-o-transition-property: background-color;
-ms-transition-property: background-color;
transition-property: background-color;
```

```
.box {
                                                 .box:hover {
height: 100px;
                                                height: 100px;
width: 100px;
                                                width: 100px;
background-color: red;
                                                background-color: blue;
transition-duration: 1s:
-webkit-transition-property: background-color; }
-moz-transition-property: background-color;
-o-transition-property: background-color;
-ms-transition-property: background-color;
transition-property: background-color;
```

```
.box {
height: 100px;
width: 100px;
background-color: red;
transition-property: background-color;
-webkit-transition-property: background-color;
-moz-transition-property: background-color;
-o-transition-property: background-color;
-ms-transition-property: background-color;
-webkit-transition-duration: 1s;
-moz-transition-duration: 1s;
-o-transition-duration: 1s;
-ms-transition-duration: 1s;
transition-duration: 1s;
```

CSS Transition Demos

CSS Transition Properties
Vendor Prefixes

CSS Transition Properties

CSS Transition & 2D Transform