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# CSS Animation

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# Animation *(definition)*

- Instill with life
- Having the apperance of movement



# 1. CSS Movement

- Transition Property
- Animation Property + Keyframes

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```
.element {  
  transition: [property] [duration] [ease] [delay];  
}
```

```
.element {  
  transition: opacity 300ms ease-in-out 1s;  
}
```

# Animatable Properties

font-size:

background-color:

width:

left:

more: <http://oli.jp/2010/css-animatable-properties/>

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# Animatable Properties

~~display:~~

~~font-family:~~

~~position:~~

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# Performant Properties

opacity:

rotation:

scale:

position:

Source : <https://www.html5rocks.com/en/tutorials/speed/high-performance-animations/>

# Triggering

- Hover
- Class Change (javascript)





# Demo Examples

# Keyframes

```
@keyframes [name] {  
  from: {  
    [styles]  
  }  
  
  to: {  
    [styles]  
  }  
}
```

```
@keyframes myFrames {  
  from: {  
    height: 200px;  
    background: orange;  
  }  
  
  to: {  
    height: 400px;  
    background: pink;  
  }  
}
```

# Animation

```
.element {  
  animation: [name] [duration] [timing-function]  
            [delay] [iteration-count] [direction] [fill-mode]  
            [play-state];  
}
```

```
.element {  
  Animation: myframes 2s ease-in-out 0s infinite  
            normal forwards paused;  
}
```

# Animation

```
.element {  
  animation-name: myframes;  
  animation-duration: 2s;  
  animation-timing-function: ease-in-out;  
  animation-delay: 0s;  
  Animation-iteration-count: infinite;  
  Animation-direction: normal ;  
  Animation-fill-mode: forwards;  
  Animation-play-state: paused;  
}
```



**Lets code some  
animation**



# Some references:

## Resources

<https://tympanus.net/codrops/>

[pexels.com](https://pexels.com)

<http://www.webdesignfreebies.net/>

<https://freebiesbug.com/>

## Inspirations

<https://www.awwwards.com/>

<http://www.webdesign-inspiration.com/>

<https://www.siteinspire.com/>

**exercise**