



# CSS: Animations

# Definition

## Animation:

- An automatic, gradual change from one style to another

## Keyframes rule:

- Similar to a JavaScript function, it defines the animation style changes

# CSS animation properties

animation-name: Which keyframes rule is being used

animation-duration: How long the change takes

animation-iteration-count: How many times the animation happens, can be infinite

animation-direction: forward, backward, or alternate

There are more. Google it!

# CSS animation shorthand

You can put it all in one line

Example:

```
animation: growText 4s infinite alternate;
```

versus 4 lines...

```
animation-name: growText;
```

```
animation-duration: 4s;
```

```
animation-iteration-count: infinite;
```

```
animation-direction: alternate;
```

# Writing Keyframes Rules

In your CSS file:

```
@keyframes name {  
    from {  
        property: value;  
    }  
    to {  
        property: value;  
    }  
}
```

# Writing Keyframes Rules

```
@keyframes name {  
  0% {  
    property: value;  
  }  
  50% {  
    property: value;  
  }  
  100% {  
    property: value;  
  }  
}
```