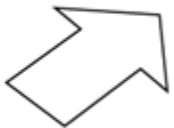


CSS3: Animações e transições

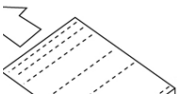
WEB



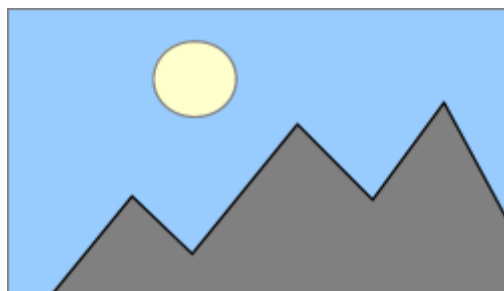
Transições CSS

Propriedade *transition*

Define que a mudança do visual de um elemento será acompanhada por uma animação.



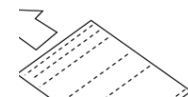
Normal:



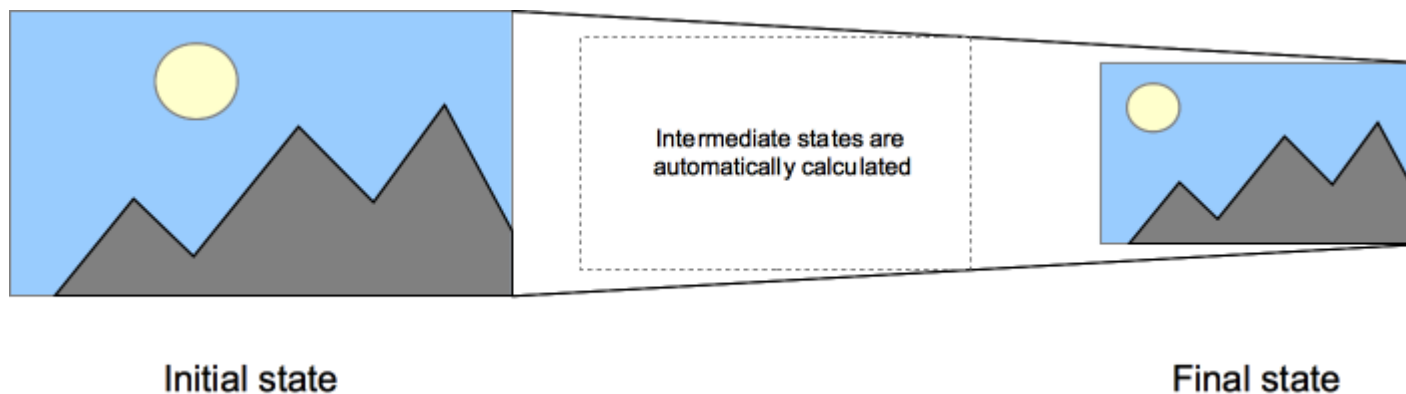
Instantâneo



```
img {  
  width: 260px;  
}  
  
img:hover {  
  width: 165px;  
}
```

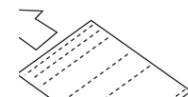


Com transição:



```
img {
  width: 260px;
  transition: width 2s;
}

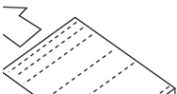
img:hover {
  width: 165px;
}
```



Propriedades relacionadas

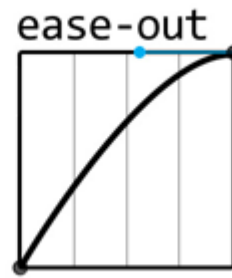
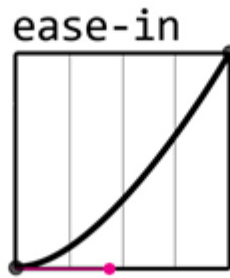
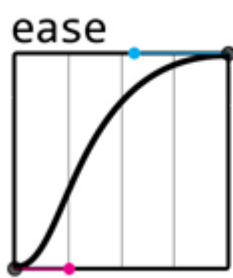
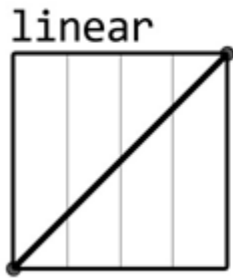
transition-delay

Define o tempo que deve ser aguardado antes da animação acontecer.



transition-timing-function

Define a forma como a transição progride no tempo:



**Propriedades
relacionadas**

transition-timing-function

Define a forma como a transição progride no tempo:

cubic-bezier (.24, .88, .23, .03)

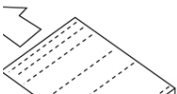
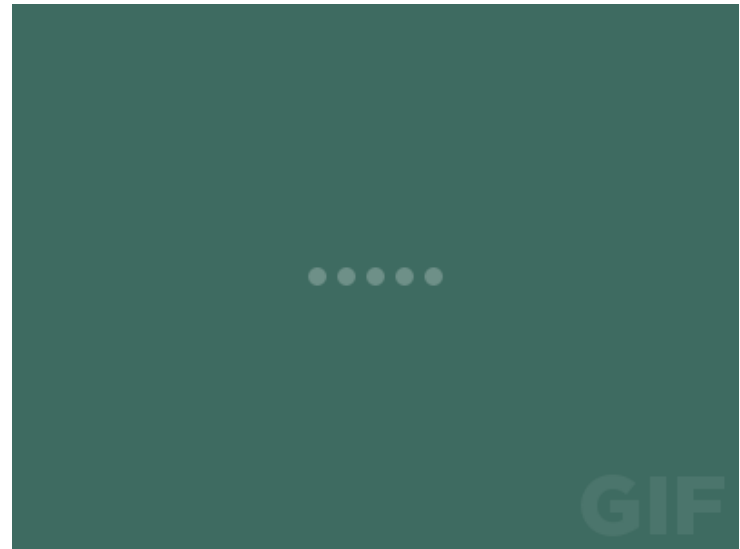
<http://cubic-bezier.com/>

**Propriedades
relacionadas**

Animações CSS

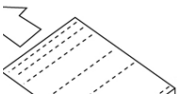
Propriedade *animation*

Define uma animação entre valores de uma ou mais propriedades CSS.



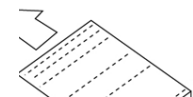
Estrutura mínima

```
p {  
  animation-duration: 3s;  
  animation-name: slidein;  
}  
  
@keyframes slidein {  
  from {  
    margin-left: -100%;  
  }  
  to {  
    margin-left: 0%;  
  }  
}
```



Estrutura alternativa (quadros-chave)

```
p {  
  animation-duration: 3s;  
  animation-name: slidein;  
}  
  
@keyframes slidein {  
  0% {  
    margin-left: -100%;  
  }  
  50% {  
    margin-left: -20%;  
  }  
  100% {  
    margin-left: 0%;  
  }  
}
```



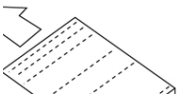
Outros recursos

animation-delay

Define o tempo que deve ser aguardado antes da animação acontecer.

animation-timing-function

Define a forma como a transição progride no tempo.



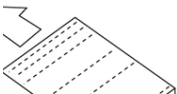
Outros recursos

animation-iteration-count

Define o número de vezes que a animação será repetida (pode receber o valor “infinite”).

animation-direction

Define se cada ciclo da animação deve ser normal, alternado ou ao contrário.



Outros recursos

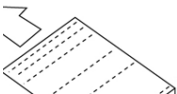
animation-fill-mode

Define como os estilos da animação devem ser aplicados aos elementos.

none: não são aplicados

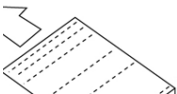
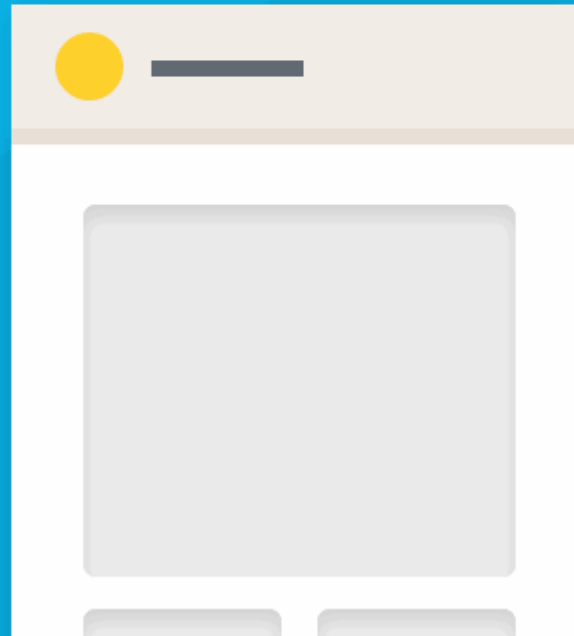
forwards: o último valor será aplicado

backwards: os valores do primeiro keyframe serão aplicados no início do delay





Flexible, responsive
emails that just work.



Créditos das imagens

Slide 4 e 5:

https://developer.mozilla.org/pt-BR/docs/Web/CSS/CSS_Animations/Usando_anim%C3%A7%C3%B5es_CSS

Slide 7:

advancingweb.com.au

Slide 10:

<https://dribbble.com/shots/1019149-Wavy-Loading-Animation>

Slide 16:

www.campaignmonitor.com

