

Aula 4

Caixas

- Na aula passada...
 - Vimos que CSS trata elementos HTML como se estivessem numa caixa
- A partir desta caixa, podemos:
 - Controlar sua dimensão
 - Criar bordas
 - Definir margens e preenchimento
 - Mostrar e ocultar

Dimensões da caixa width, height

- Permite alteração do tamanho padrão (grande o suficiente para caber o conteúdo) da caixa
- Pixel mais utilizado, porcentagem relativa ao tamanho da janela, enquanto ems são relativos ao tamanho da letra

The Moog company pioneered the commercial manufacture of modular voltage-controlled analog synthesizer systems in the early 1950s.




```
div {  
  height: 300px;  
  width: 400px;  
  background-color: #ee3e80;}  
p {  
  height: 75%;  
  width: 75%;  
  background-color: #e1ddda;}
```

```
<div>  
  <p>The Moog company pioneered the commercial  
    manufacture of modular voltage-controlled  
    analog synthesizer systems in the early  
    1950s.</p>  
</div>
```

Limitando largura
`min-width`,
`max-width`

- Define a largura mínima e máxima que uma caixa pode ter, independente do tamanho da tela do usuário
- Ideais para garantir que o conteúdo das páginas permaneça legível, especialmente em telas menores

```
td.description {  
  min-width: 450px;  
  max-width: 650px;  
  text-align: left;  
  padding: 5px;  
  margin: 0px;}
```



Photo	Description	Price
	The Rhodes piano is an electro-mechanical piano, invented by Harold Rhodes during the fifties and later manufactured in a number of models, first in collaboration with Fender and after 1965 by CBS. It employs a piano-like keyboard with hammers that hit small metal tines, amplified by electromagnetic pickups.	\$1400
	The Wurlitzer electric piano is an electro-mechanical piano, created by the Rudolph Wurlitzer Company of Mississippi. The Wurlitzer company itself never called the instrument an "electric piano", instead inventing the phrase "Electronic Piano" and using this as a trademark throughout the production of the instrument. It employs a piano-like keyboard with hammers that hit small metal tines, amplified by electromagnetic pickups.	\$1600
	A Clavinet is an electronically amplified clavichord manufactured by the Hohner company. Each key uses a rubber tip to perform a hammer on a string. Its distinctive bright staccato sound is often compared to that of an electric guitar. Various models were produced over the years, including the models I, II, L, C, D6, and E7.	\$1200

```
<tr>  
  <td></td>  
  <td class="description">The Rhodes piano is an  
    electro-mechanical piano, invented by Harold  
    Rhodes during the fifties and later  
    manufactured in a number of models ...</td>  
  <td>$1400</td>  
</tr>
```

Limitando altura
`min-height`,
`max-height`

- Define a altura mínima e máxima que uma caixa pode ter, independente do tamanho da tela do usuário
- Pode bagunçar a aparência se usado incorretamente

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</tr>
```

Overflow

- A propriedade overflow diz ao browser o que fazer quando o conteúdo da caixa for maior que a caixa em si:
 - Hidden
 - Oculta qualquer conteúdo extra que não caiba na caixa
 - Scroll
 - Adiciona uma barra de rolagem à caixa e permite que o usuário role o conteúdo

Borda, margem e preenchimento

Border

Toda caixa possui uma borda, mesmo oculta. Separa o limite de uma caixa para outra

Padding

Espaço entre a borda e o conteúdo da caixa. Aumenta legibilidade do conteúdo



Margin

Define o espaçamento fora do limite da borda, criando distanciamento entre caixas adjacentes

Exemplo

Largura da borda `border-width`

- Usado para controlar largura da borda
- Pode ser atribuído de três formas
- Não aceita porcentagens

Hohner's "Clavinet" is
essentially an electric
clavichord.

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essentially an electric
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essentially an electric
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```
p.one {  
  border-width: 2px;}  
p.two {  
  border-width: thick;}  
p.three {  
  border-width: 1px 4px 12px 4px;}
```

```
<p class="one">Hohner's "Clavinet" is essentially an  
  electric clavichord.</p>  
<p class="two">Hohner's "Clavinet" is essentially an  
  electric clavichord.</p>  
<p class="three">Hohner's "Clavinet" is essentially  
  an electric clavichord.</p>
```


Estilo da borda `border-style`

- Permite controlar o estilo da borda

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

```
p.one {border-style: solid;}
p.two {border-style: dotted;}
p.three {border-style: dashed;}
p.four {border-style: double;}
p.five {border-style: groove;}
p.six {border-style: ridge;}
p.seven {border-style: inset;}
p.eight {border-style: outset;}
```

```
<p class="one">Wurlitzer Electric Piano</p>
<p class="two">Wurlitzer Electric Piano</p>
<p class="three">Wurlitzer Electric Piano</p>
<p class="four">Wurlitzer Electric Piano</p>
<p class="five">Wurlitzer Electric Piano</p>
<p class="six">Wurlitzer Electric Piano</p>
<p class="seven">Wurlitzer Electric Piano</p>
<p class="eight">Wurlitzer Electric Piano</p>
```

Cor da borda `border-color`

- Permite controlar a cor da borda

The ARP Odyssey was
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```
p.one {  
  border-color: #008dd;}  
p.two {  
  border-color: #bbbbaa #111111 #ee3e80 #008dd;}
```

```
<p class="one">The ARP Odyssey was introduced in  
1972.</p>  
<p class="two">The ARP Odyssey was introduced in  
1972.</p>
```