

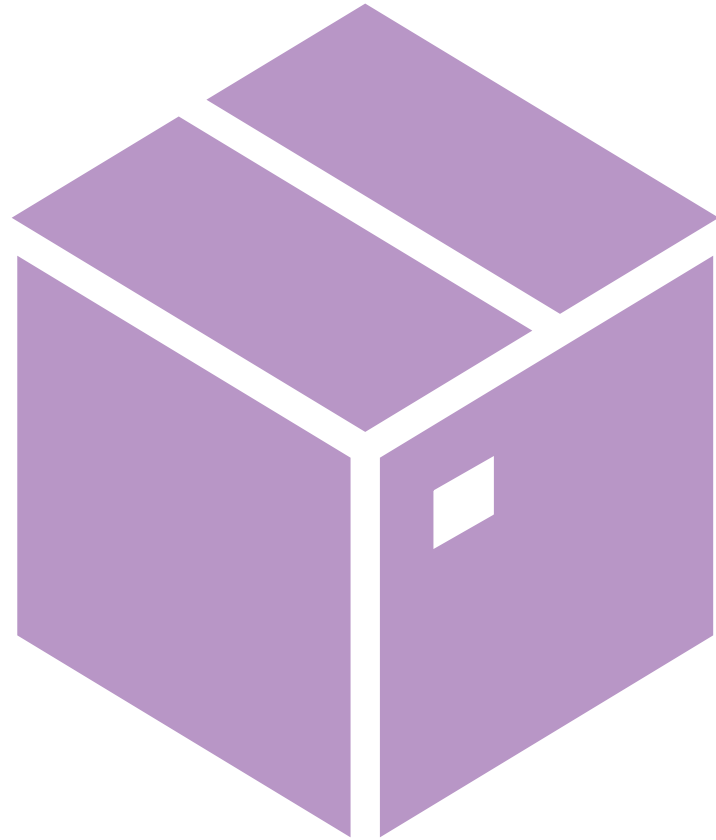


Web & Mobile App

WMA Lec # 20

CSS Boxes

By default, a box is sized just big enough to hold its contents.



Define Size

The most popular ways to specify the size of a box are to use pixels, percentages, or ems

```
div.box {  
  height: 300px;  
  width: 300px;  
  background-color: #bbbbaa;}  
p {  
  height: 75%;  
  width: 75%;  
  background-color: #0088dd;}
```

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




Min-width and Max-width

The min-width property specifies the smallest size a box can be displayed at when the browser window is narrow, and the max-width property indicates the maximum width a box can stretch to when the browser window is wide.

CSS

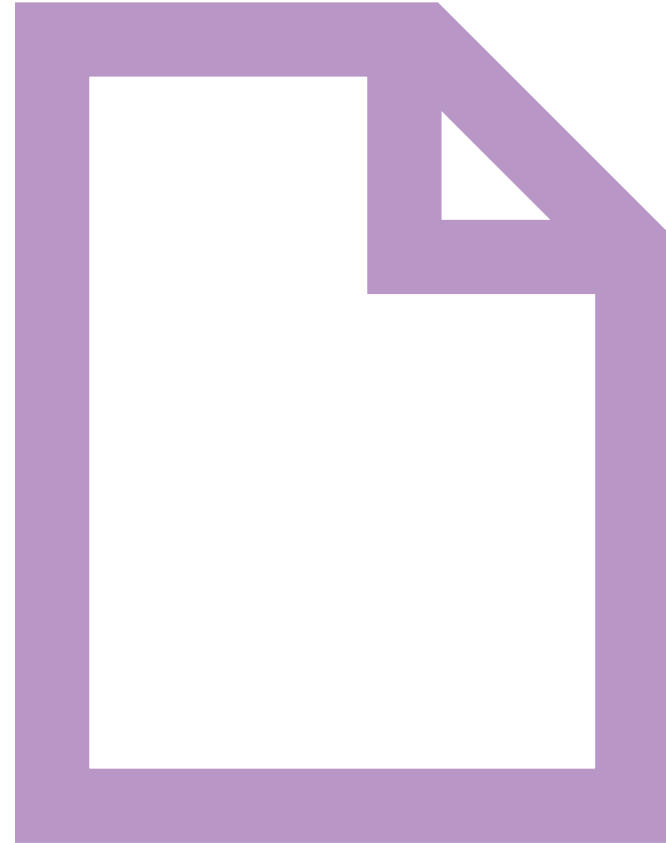
```
td.description {  
    min-width: 450px;  
    max-width: 650px;  
    text-align: left;  
    padding: 5px;  
    margin: 0px;}
```

RESULT

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 tip to perform a hammer on a string. Its distinctive staccato sound is often compared to that of an electric piano. Various models were produced over the years, including models I, II, L, C, D6, and E7.	

Min-Height and Max-Height

In the same way that you might want to limit the width of a box on a page, you may also want to limit the height of it. This is achieved using the min-height and max-height properties.



When content overflows from the specified dimensions

If the box is not big enough to hold the content, and the content expands outside the box it can look very messy

```
h2, p {  
  width: 400px;  
  font-size: 90%;  
  line-height: 1.2em;}  
h2 {  
  color: #0088dd;  
  border-bottom: 1px solid #0088dd;}  
p {  
  min-height: 10px;  
  max-height: 30px;}
```

Fender Mustang

The Fender Mustang was introduced in 1964 as the basis of a major redesign of Fender's student models then consisting of the Musicmaster and Duo-Sonic. It was originally popular in sixties surf music and attained cult status in the 1990s largely as a result of its use by a number of alternative rock bands. The Fender Stratocaster or "Strat" is one of the most popular electric guitars of all time, and its design has been copied by many guitar makers. It was designed by Leo Fender, George Fullerton and Freddie Tavares in 1954.

The Gibson Les Paul is a solid body electric guitar that was first sold in 1952. The Les Paul was designed by Ted McCarty in collaboration with popular guitarist Les Paul, whom Gibson enlisted to endorse the new model. It is one of the most known electric guitar types in the world.

Overflowing Content

The overflow property tells the browser what to do if the content contained within a box is larger than the box itself.

It can have one of two values:

- Hidden
- Scroll

Hidden & Scroll

- **Hidden:** This property simply hides any extra content that does not fit in the box.
- **Scroll:** This property adds a scrollbar to the box so that users can scroll to see the missing content.

CSS

```
p.one {  
  overflow: hidden;}  
p.two {  
  overflow: scroll;}
```

RESULT

Fender Stratocaster

The Fender Stratocaster or "Strat" is one of the most popular electric guitars of all time, and its design has been copied by many guitar makers.

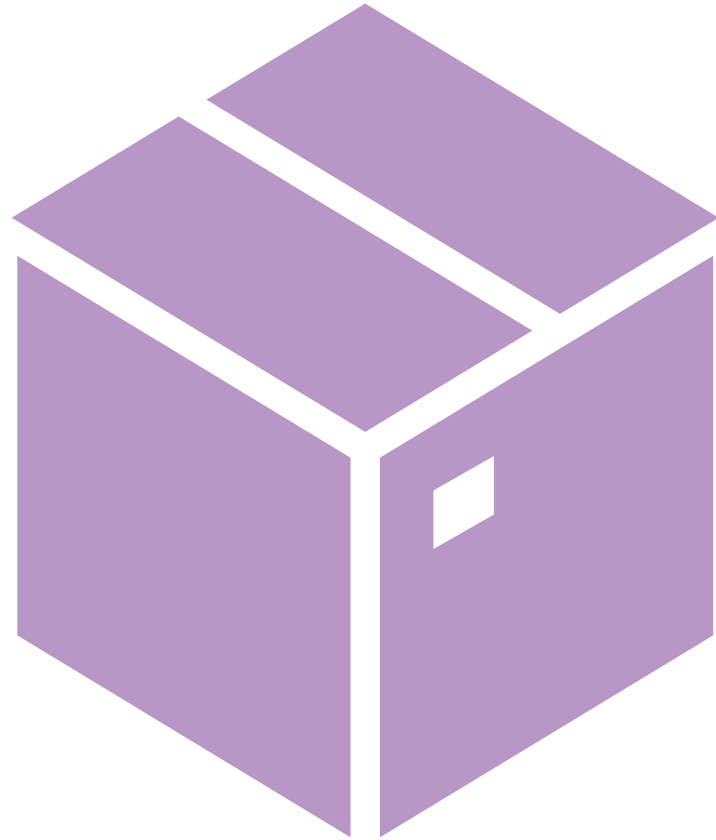
Gibson Les Paul

The Gibson Les Paul is a solid body electric guitar that was first sold in 1952. The Les Paul was designed by



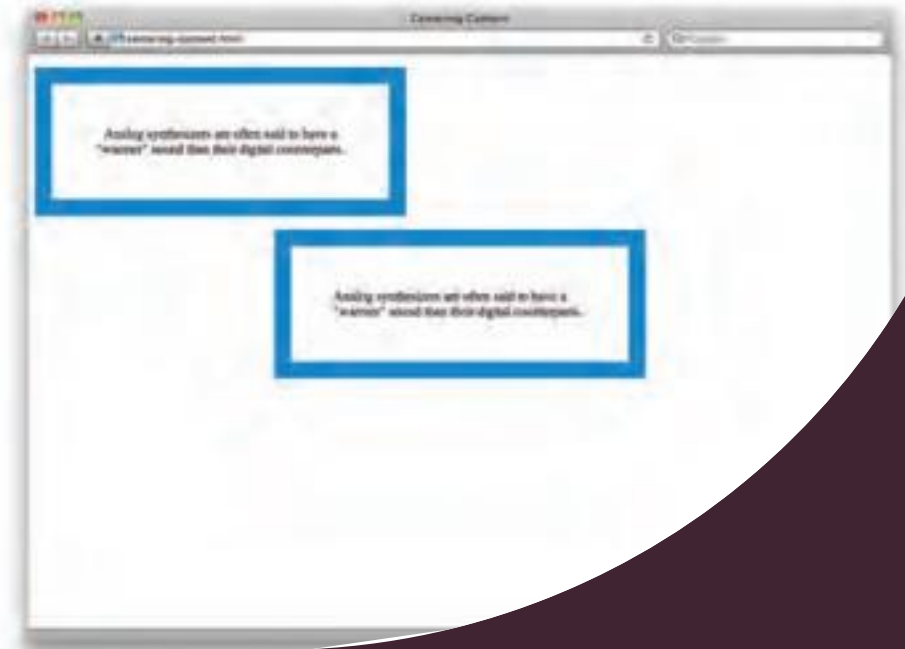
Centering Content

If you want to center a box on the page (or center it inside the element that it sits in), you can set the left-margin and right-margin to auto.



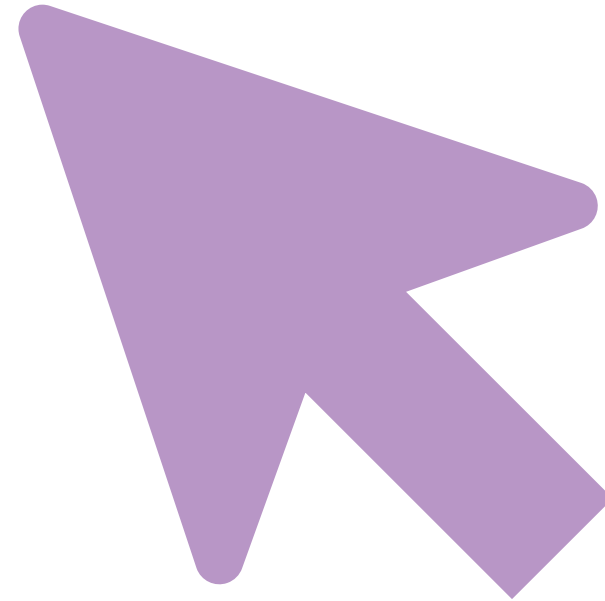
In order to center a box on the page, you need to set a width for the box (otherwise it will take up the full width of the page).

```
body {  
    text-align: center;}  
p {  
    width: 300px;  
    padding: 50px;  
    border: 20px solid #0088dd;}  
p.example {  
    margin: 10px auto 10px auto;  
    text-align: left;}
```



Change Inline / Block using 'display'

The display property allows you to turn an inline element into a block-level element or vice versa and can also be used to hide an element from the page.



Display-inline

This causes a block-level element to act like an inline element.

Display-block

This causes an inline element to act like a block-level element.

chapter-13/display.html HTML

```
<ul>
  <li>Home</li>
  <li>Products</li>
  <li class="coming-soon">Services</li>
  <li>About</li>
  <li>Contact</li>
</ul>
```

CSS

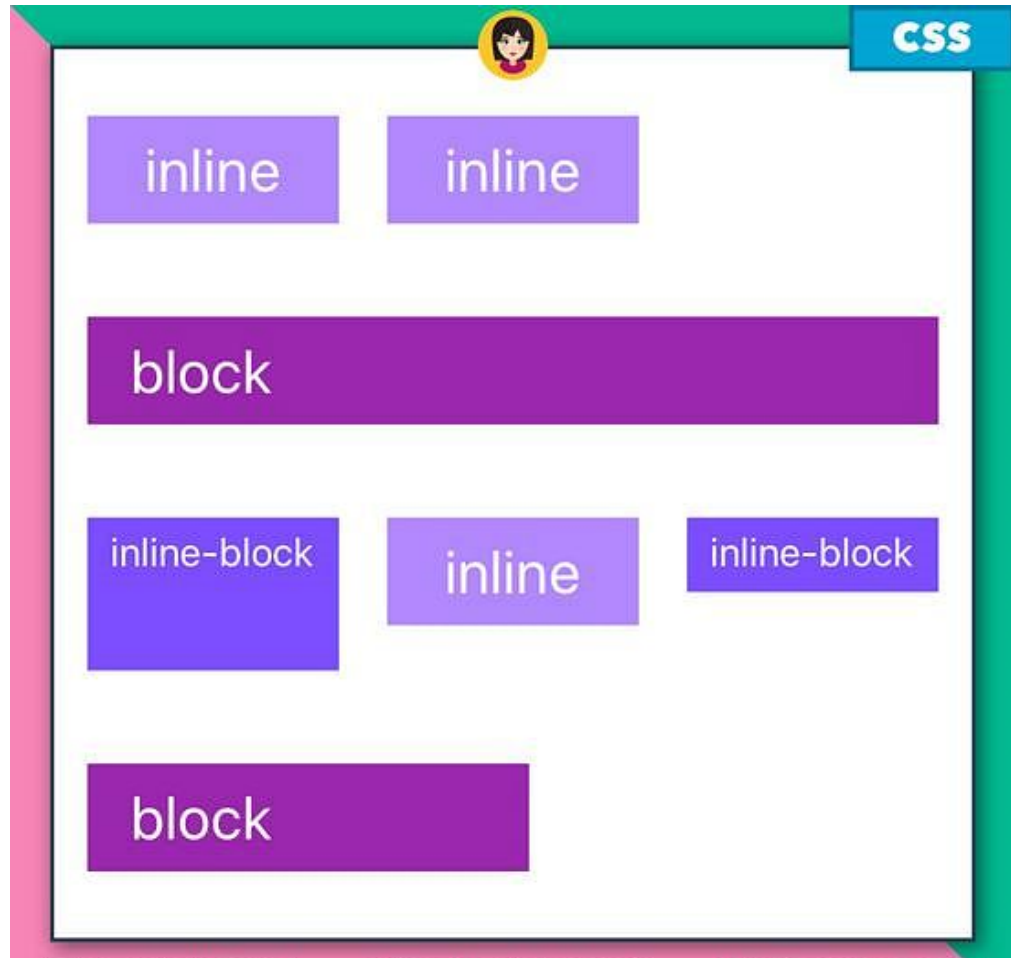
```
li {
  display: inline;
  margin-right: 10px;}
li.coming-soon {
  display: none;}
```

RESULT

Home Products About Contact

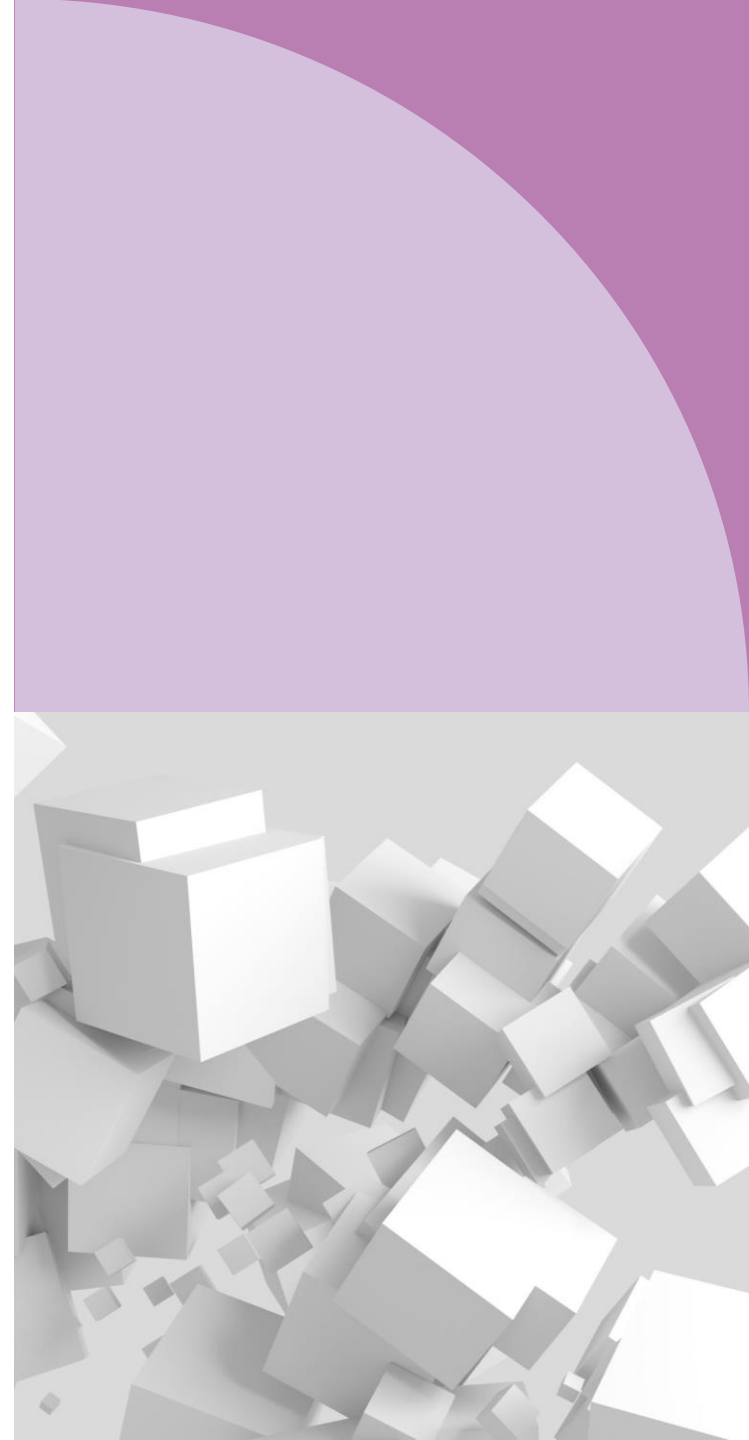
Display:Inline-Block

This causes a block-level element to flow like an inline element, while retaining other features of a block-level element.



Display:None

- This hides an element from the page. In this case, the element acts as though it is not on the page at all (although a user could still see the content of the box if they used the view source option in their browser).



- CSS treats each HTML element as if it has its own box.
- You can use CSS to control the dimensions of a box.
- You can also control the borders, margin and padding for each box with CSS.
- It is possible to hide elements using the display and visibility properties.
- Block-level boxes can be made into inline boxes, and inline boxes made into block-level boxes.
- Legibility can be improved by controlling the width of boxes containing text and the leading.
- CSS3 has introduced the ability to create image borders and rounded border