

CSSBoxModel + CSS3

ART326

CSS Box Model



CSS Box Model Self-Quiz

1. Draw and label all the components of the CSS box model.
2. How is the width of any element calculated?
3. What are the 3 properties every border needs?
4. How can a border declaration be written using shorthand?
5. Width Quiz
6. Padding Quiz
7. Margin Quiz
8. Border Quiz

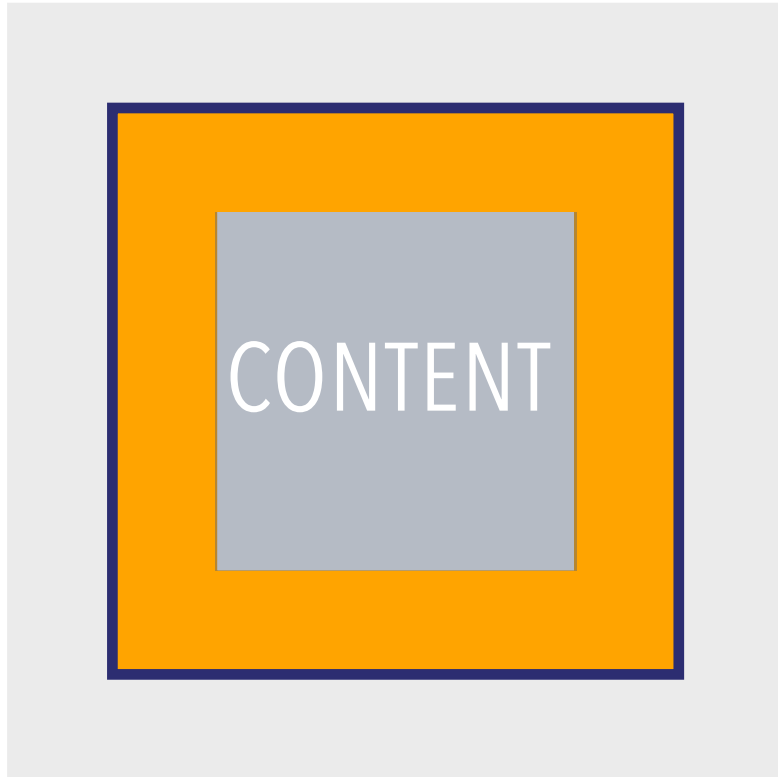
Margin



The space surrounding the edge of a box.

Sits outside the border.

Padding



The space between the border of a box and any content contained within it.

Borders



Separates edge of one box from another.

Border Shorthand

```
p {  
  width: 250px;  
  border: 3px dotted #0088dd;  
}
```

Here is a simple chord sequence
played on a Hammond organ
through a Leslie speaker.

Centering Blocks / Images

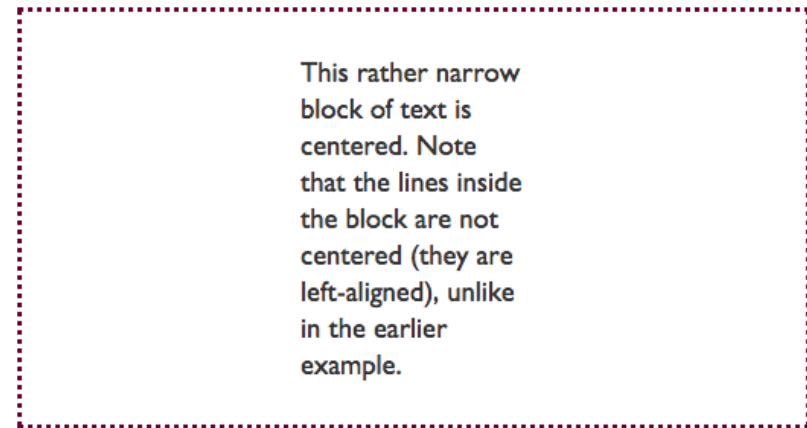
To center an element within its containing element, we want both sides to be equal distance from the edge.

`margin-left: auto;`

`margin-right: auto;`

OR

`margin: 0 auto;`



Note: The width must be defined for this to work. The above example also include a **width: 6em;**

Display

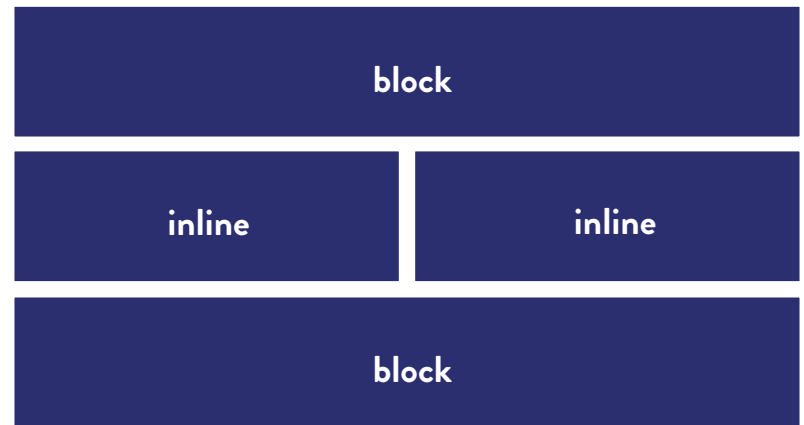
specifies how an element will display

block: expands to fill the space available;
starts new lines `<p><h1><div>`

inline: shares space available with
surrounding elements `<span><a><img>`

inline-block: share space but can also
give width/height to elements

none: element does not display and
does not take up space



Visibility

Specifies whether an element is visible or not.

hidden: element is visible, but still takes up space

visible: visible, default value

Home	Products	Services	About	Contact
------	----------	----------	-------	---------

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 {
    visibility: hidden;
}
```

CSS3



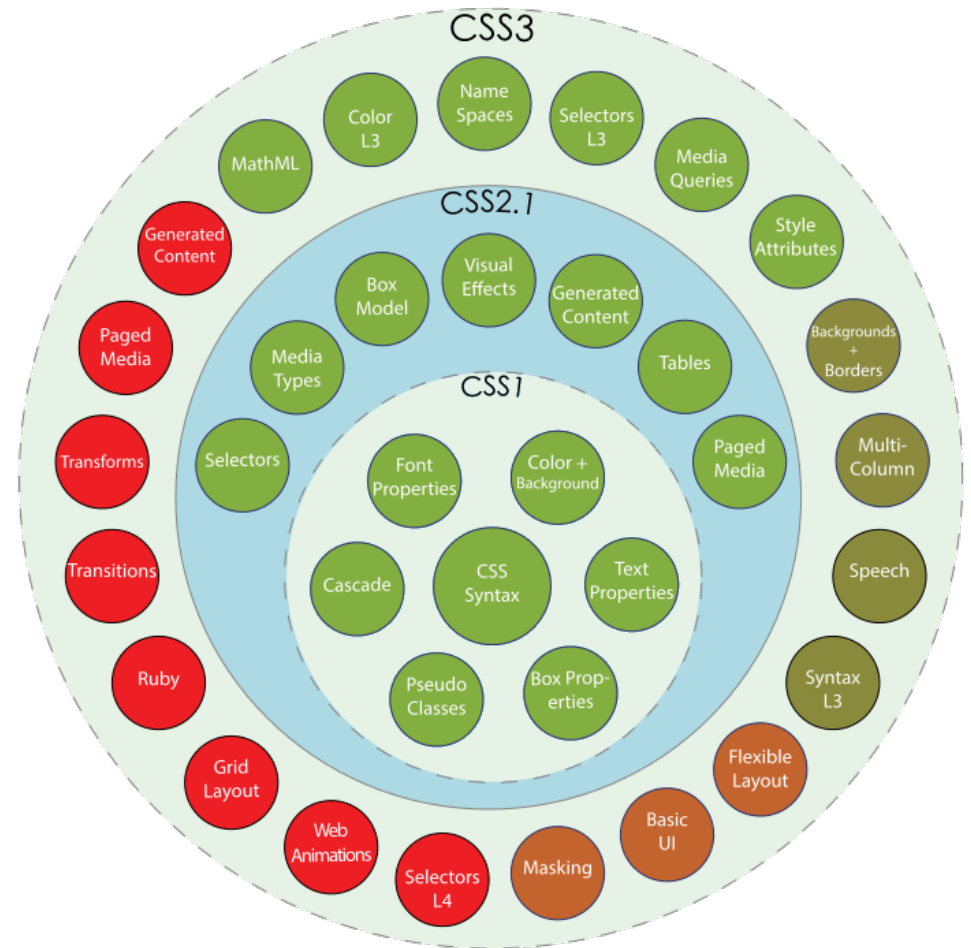
CSS3

Introduced new capabilities.

Preserves backwards compatibility with CSS2.

Divided into modules:

- selectors
- borders + backgrounds
- text effects
- 2d/3d transformations
- animations



Shadows

box-shadow + text-shadow

CSS

```
p {width: 100px; height: 100px;  
background-color: #e1ddda; margin:  
20px; display: inline-block; }
```

```
p.one {box-shadow: -5px -5px #777777;}
```

```
p.two {box-shadow: 5px 5px 5px  
#777777;}
```

```
p.three {box-shadow: 5px 5px 5px 5px  
#777777;}
```

```
p.four {box-shadow: 0 0 10px #777777;}
```

```
p.five {box-shadow: inset 0 0 10px  
#777777;}
```

HTML

```
<p class="one"></p>
```

```
<p class="two"></p>
```

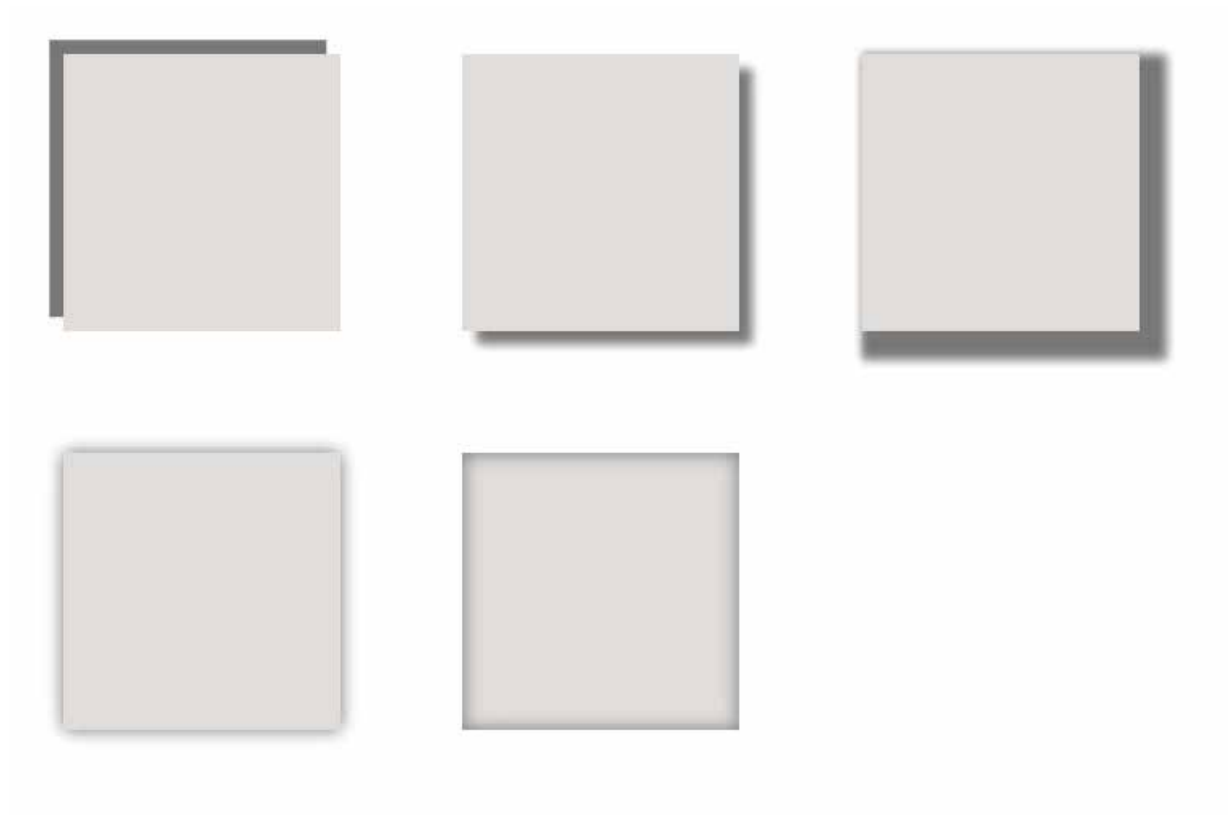
```
<p class="three"></p><br />
```

```
<p class="four"></p>
```

```
<p class="five"></p>
```

Shadows

box-shadow + text-shadow



Rounded Corners

border-radius

Four values: top-left, top-right, bottom-right, bottom-left corner

Three values: top-left, top-right and bottom-left, bottom-right

Two values: top-left and bottom-right corner, top-right and bottom-left corner

One value: all four corners are rounded equally

Four values - border-radius: 15px 50px 30px 5px:



Three values - border-radius: 15px 50px 30px:

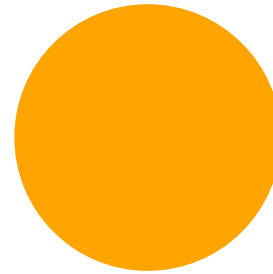


Two values - border-radius: 15px 50px:

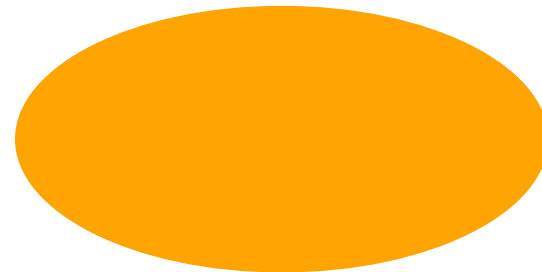


Elliptical Shapes

```
height: 100px;  
width: 100px;  
background: ffa400;  
border-radius: 50px;
```



```
height: 100px;  
width: 200px;  
background: ffa400;  
border-radius: 100px / 50px;  
-moz-border-radius: 100px / 50px;  
-webkit-border-radius: 100px / 50px;
```



background-size

Specifies the size of the background image.

Before CSS3, the background image size was determined by the actual size of the image.

Allows us to reuse the background image in different contexts.

```
div {  
  
  background:url(flower.gif);  
  
  background-size:80px 60px;  
  
  background-repeat:no-repeat;  
  
}
```

Exercise 3





Plein de nouveautés à annoncer !

La nouvelle année 2015 commence avec quelques nouveautés que l'agence va vous présenter...



Nouveau site Internet

L'agence peut fière sur son site web et présenter ses services de création. Tout tout, tout moderne ! N'attendez plus, venez vite le découvrir !

[Visiter le site](#)

Nouvelle équipe

Ça s'agrandit chez l'agence ! David CLCUX, dirigeant d'entreprise, travaille désormais en équipe afin de répondre plus rapidement à toutes vos attentes !

[Qui est-ce ?](#)



Vers van de pers!



Ná maanden hard werk is de webshop van Do Not Iron gelanceerd. Jij als vroege vogel kan als eerste een kijkje nemen!

[NAAR DE WEESHOP](#)



Unieke tassen

Elk exemplaar is met de hand (en met liefde) gemaakt van prachtige stoffen en leer. Je kan ook een tas op maat laten maken.

[Nieuw collectie](#)

Realmac

Ember 14 Day Trial for Mac
No Image? Click here



Ember for Mac Trial

Hi there!

Thanks for trying out **Ember for Mac**, we're sure you're going to love it. You can think of Ember as a visual scrapbook for your mind. Once you start storing things in Ember, everything is fully searchable by name, description, tags, and colour.

Ember makes it incredibly easy to capture and organise screenshots, entire webpages and many other file types, including photos, movies, notes and even PDFs.

No matter whether you're working on a new website, planning the dream kitchen, or simply collecting things you love, we've built Ember to be your visual memory.

[Download Ember for Mac Trial](#)

HTML Emails

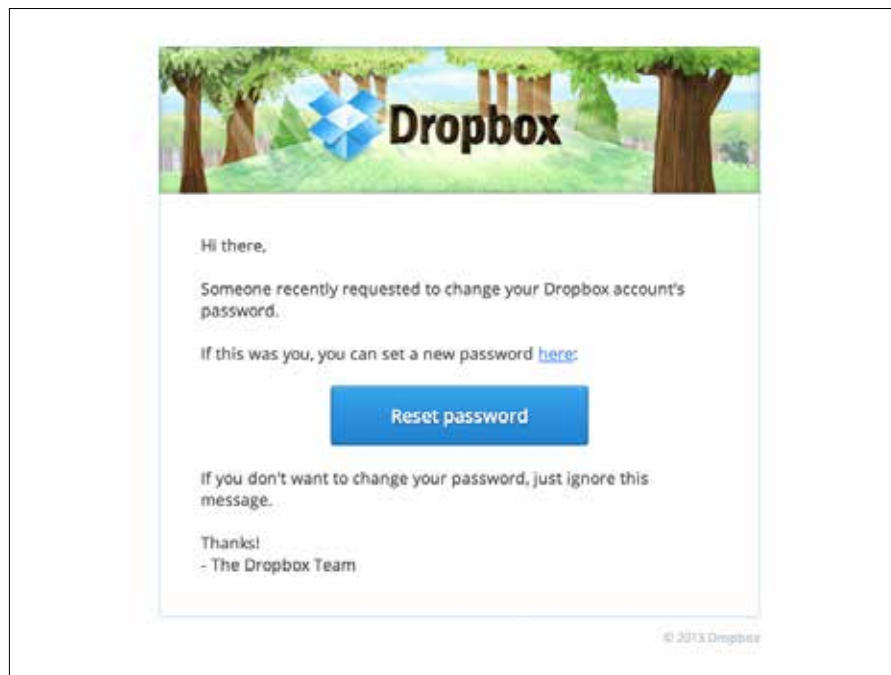
Coding: In the words of MailChimp, “coding for HTML email isn’t much different than coding a website was back in the ‘90s.”

Format (email client preview pane):
600–800px. max width.

Single-Column vs. Multi-Column

Single-column: Best for focused messages. Easier to read.

Multi-column: Best for emails with variety of content.



Email Typography

Best to use basic, cross-platform fonts.

Web fonts only work in some clients.

Great resource: <http://templates.mailchimp.com/design/typography/>

HTML Email Design Tips

01. Get to the point quickly.
02. Simplify content for reader.
03. Add an “unsubscribe” link.
04. Use inline CSS.
05. Design using grid-based layouts.
06. Avoid using complicated elements.
07. Use only absolute links for images.