

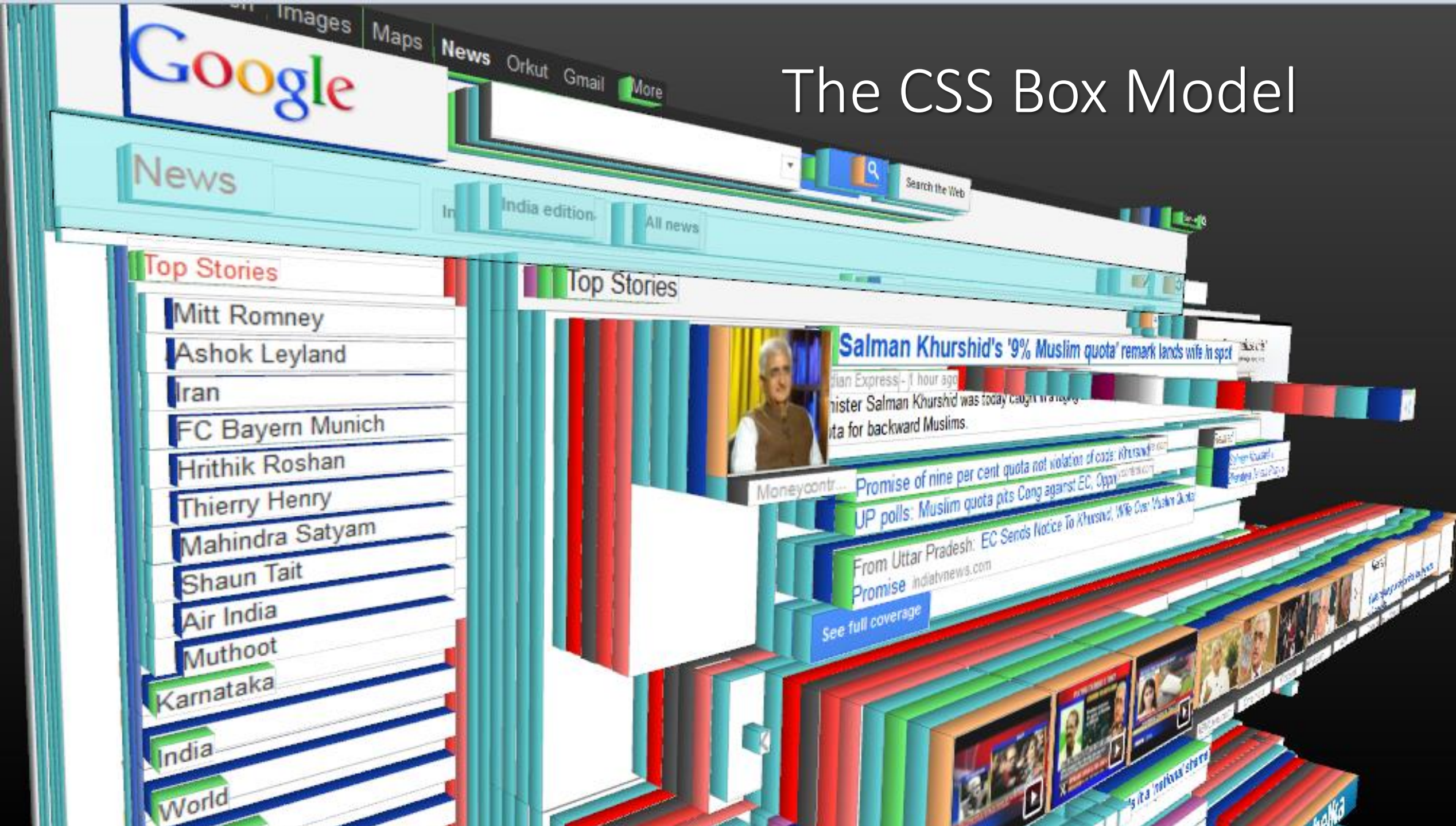
ICT-Start – Session 01

Module 2: Creating static web pages using HTML5 and CSS3

K) CSS Box Model

December 2022

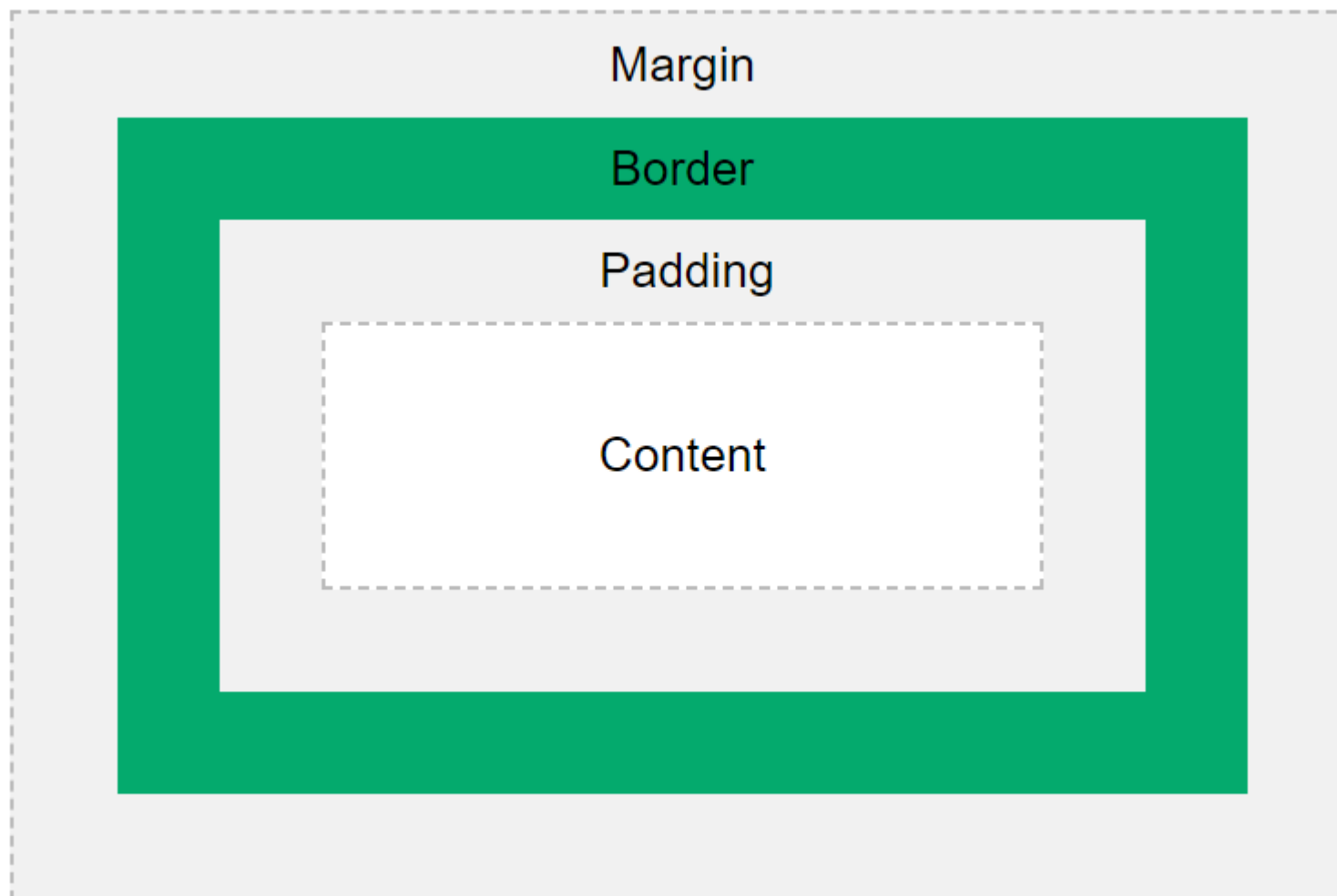
The CSS Box Model



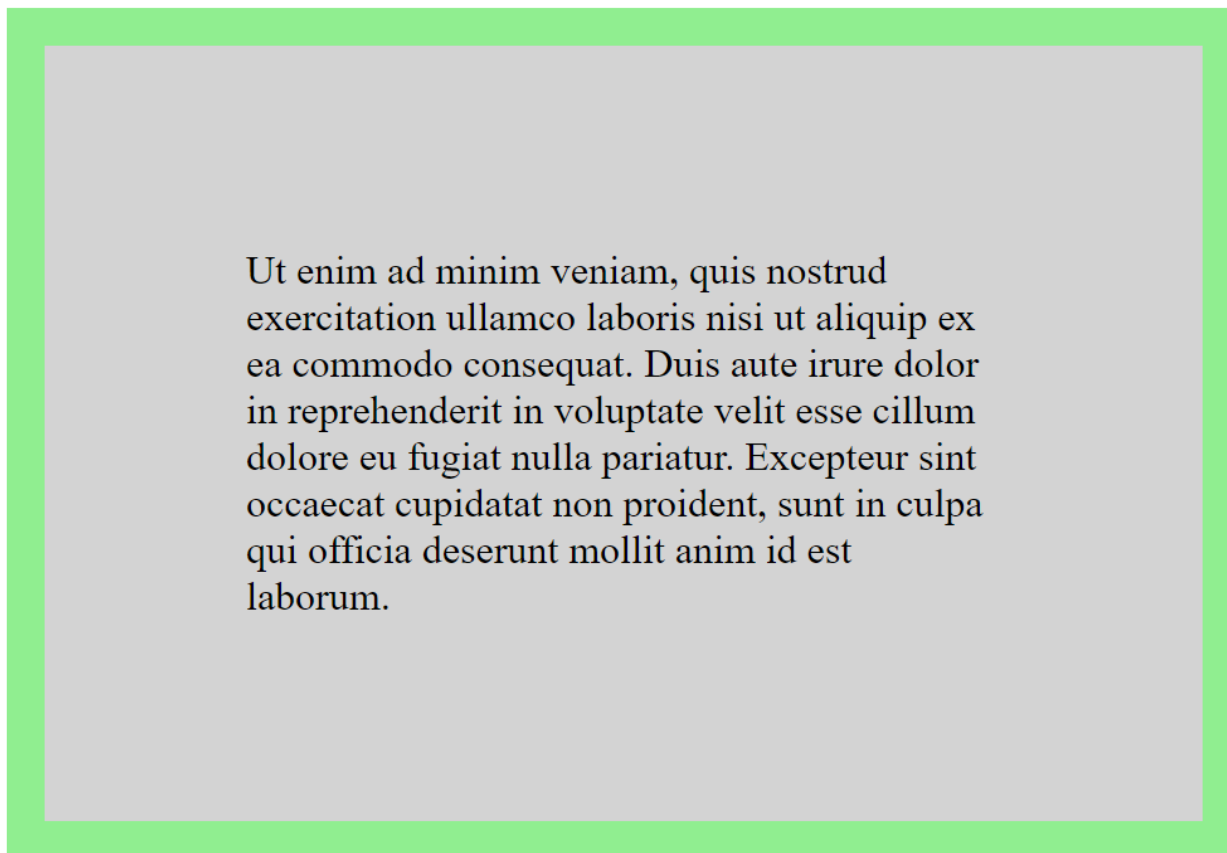
Demo

- Let's inspect some websites using the browser's built-in developers' tools

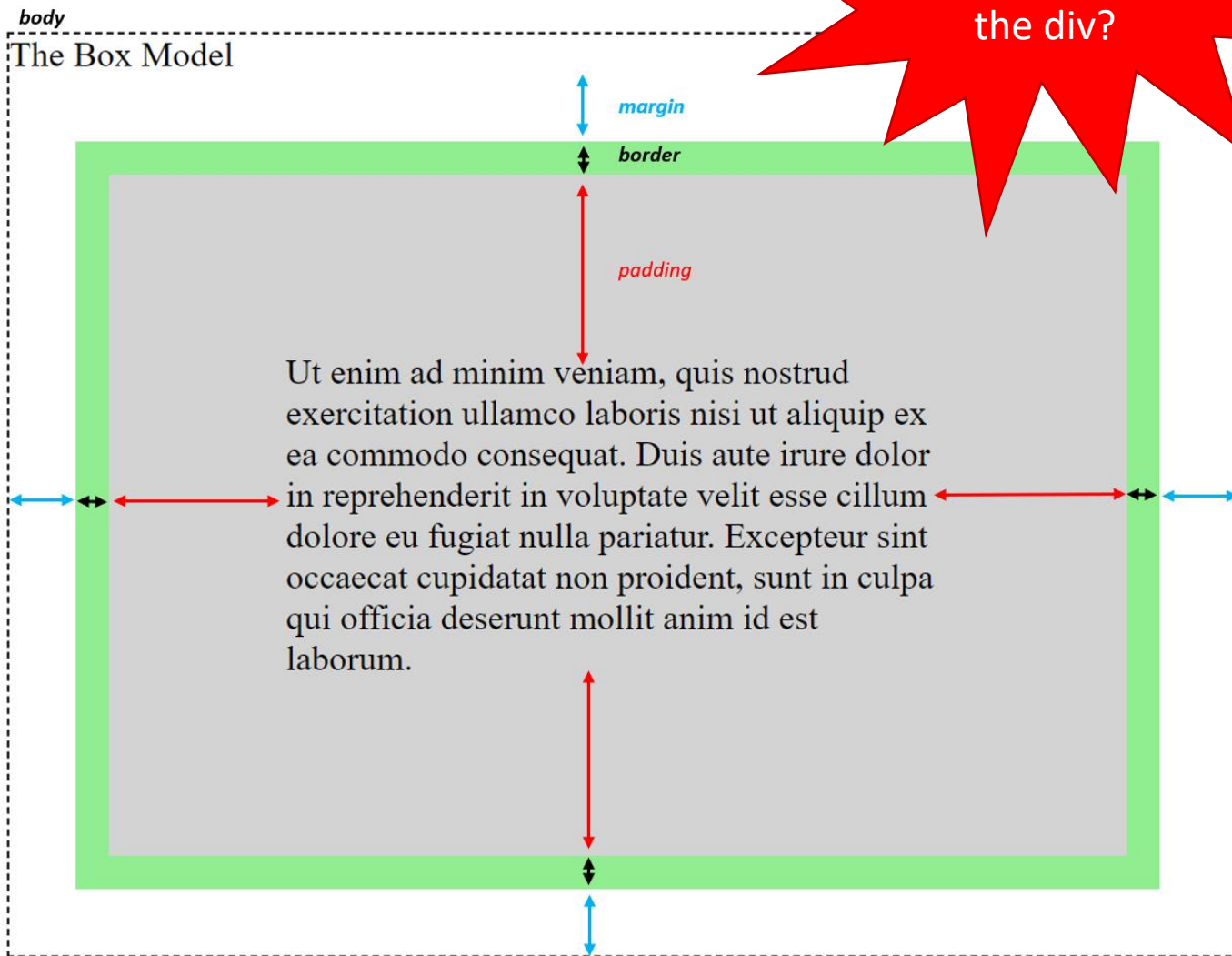
The CSS Box Model



The Box Model



```
<!DOCTYPE html>
<html>
<head>
<style>
  div {
    background-color: lightgrey;
    width: 300px;
    border: 15px solid lightgreen;
    padding: 80px;
    margin: 30px;
  }
  body{
    border: 1px dashed black;
  }
</style>
</head>
<body>
  <h2>The Box Model</h2>
  <div>Ut enim ad minim veniam, quis r
</body>
</html>
```

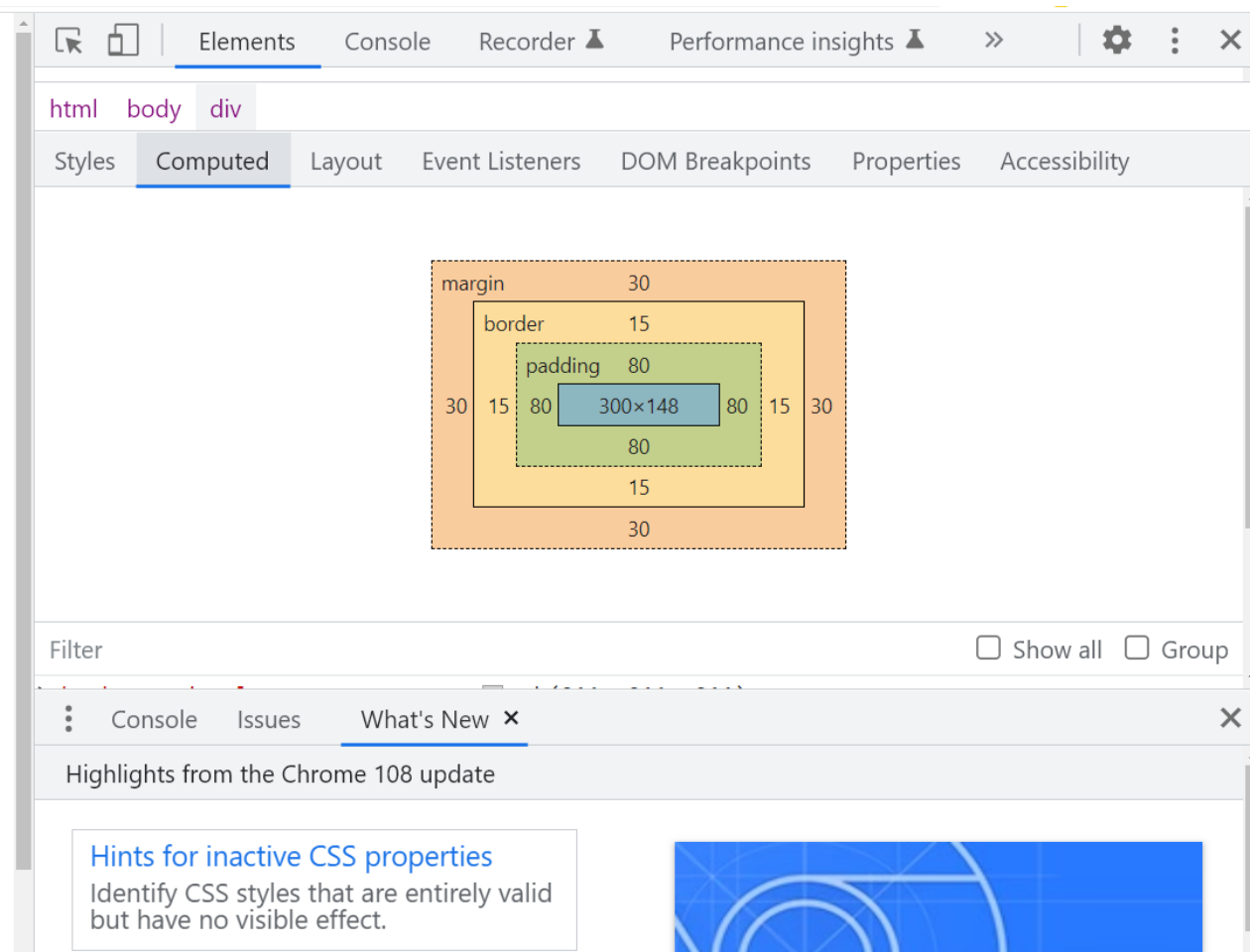
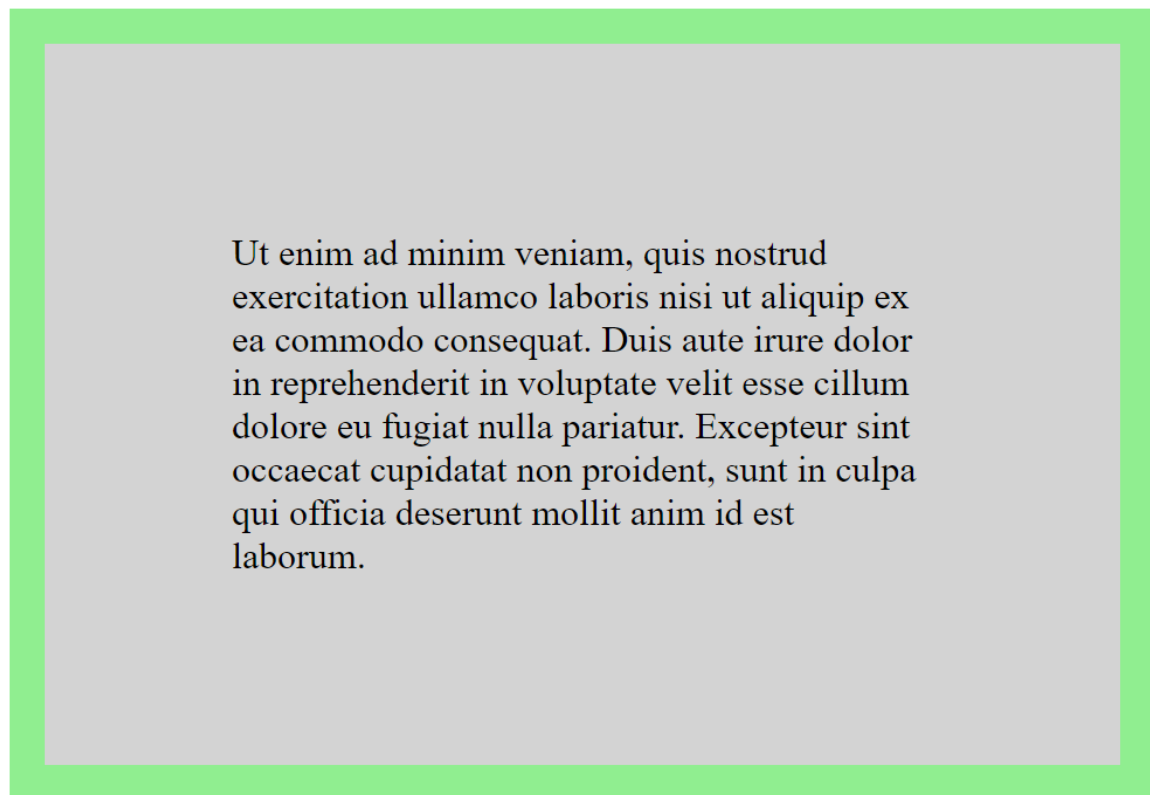



Whats the
actual width of
the div?

```
<!DOCTYPE html>
<html>
<head>
<style>
  div {
    background-color: lightgrey;
    width: 300px;
    border: 15px solid lightgreen;
    padding: 80px;
    margin: 30px;
  }
  body{
    border: 1px dashed black;
  }
</style>
</head>
<body>
  <h2>The Box Model</h2>
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</body>
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```

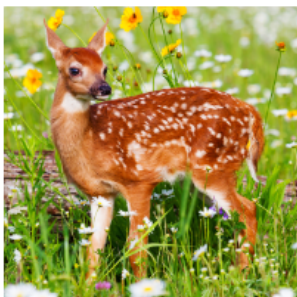
Inspect it in the browser's developer tools!

The box model



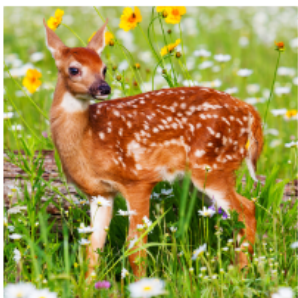
CSS - Floating

- Most used to wrap text around images



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```
<style>
  img {
    width: 100px;
  }
</style>
</head>
<body>
  
  <p>
    Lorem ipsum dolor sit amet, consectetur ad
    nunc venenatis imperdiet sed ornare turpis
  </body>
```



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim ligula venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor vitae massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula,

facilisis sed ornare eu, lobortis in odio. Praesent convallis urna a lacus interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper ipsum dignissim ac. In at libero sed nunc venenatis imperdiet sed ornare turpis. Donec vitae dui eget tellus gravida venenatis. Integer fringilla congue eros non fermentum. Sed dapibus pulvinar nibh tempor porta. Cras ac leo purus. Mauris quis diam velit.

Float

Block sibling

```
<style>
  img {
    width: 100px;
    float: left;
  }
</style>
```

```
</head>
```

```
<body>
```

```

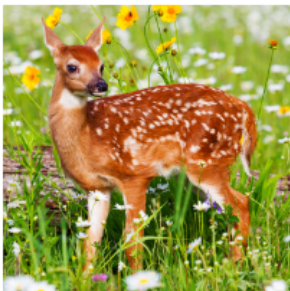
```

```
<p>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec a diam lectus. Sed sit amet ipsum mauris. Maecenas congue ligula ac quam viverra nec consectetur ante hendrerit. Donec et mollis dolor. Praesent et diam eget libero egestas mattis sit amet vitae augue. Nam tincidunt congue enim, ut porta lorem lacinia consectetur. Donec ut libero sed arcu vehicula ultricies a non tortor.

```
</body>
```

```
</html>
```



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Maecenas nisl est, ultrices nec congue eget, auctor vitae massa. Fusce luctus vestibulum

augue ut aliquet. Mauris ante ligula, facilisis sed ornare eu, lobortis in odio. Praesent convallis urna a lacus interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper ipsum dignissim ac. In at libero sed nunc venenatis imperdiet sed ornare turpis. Donec vitae dui eget tellus gravida venenatis. Integer fringilla congue eros non fermentum. Sed dapibus pulvinar nibh tempor porta. Cras ac leo purus. Mauris quis diam velit.

```
<style>
```

```
img {
```

```
width: 100px;
```

```
float: left;
```

```
margin-right: 20px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```

```

```
<p>
```

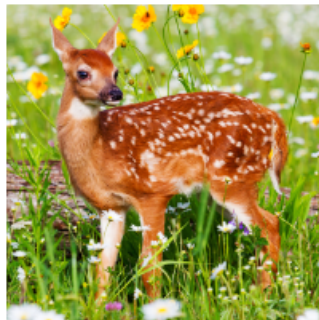
```
Lorem ipsum dolor sit amet, consectetur  
nunc venenatis imperdiet sed ornare turp
```

```
</body>
```

```
</html>
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Phasellus imperdiet, nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim ligula venenatis dolor.

Maecenas nisl est, ultrices nec congue eget, auctor vitae massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula, facilisis sed ornare eu, loborti in odio. Praesent convallis urna a lacus interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper ipsum dignissim ac. In at libero sed nunc venenatis imperdiet sed ornare turpis. Donec vitae dui eget tellus gravida venenatis. Integer fringilla congue eros non fermentum. Sed dapibus pulvinar nibh tempor porta. Cras ac leo purus. Mauris quis diam velit.



```
<style>
  img {
    width: 100px;
    float: right;
    margin-right: 20px;
  }
</style>
</head>
<body>

<p>
  Lorem ipsum dolor sit amet, consectetur
  nunc venenatis imperdiet sed ornare turp
</body>
</html>
```

Exercices

CSS - Menus

- Many different ways exist to create a menu

Header

[Main](#)[Contacts](#)[About](#)

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*Terres rouges building 14, porte de France L-4360 Esch-sur-Alzette Belval,
Luxembourg*

Header

Main

Contacts

About

Phasellus imperdiet, nulla et dictum interdum, nisi lorem egestas odio, vitae scelerisque enim ligula venenatis dolor. Maecenas nisl est, ultrices nec congue eget, auctor vitae massa. Fusce luctus vestibulum augue ut aliquet. Mauris ante ligula, facilisis sed ornare eu, lobortis in odio. Praesent convallis urna a lacus interdum ut hendrerit risus congue. Nunc sagittis dictum nisi, sed ullamcorper ipsum dignissim ac. In at libero sed nunc venenatis imperdiet sed ornare turpis. Donec vitae dui eget tellus gravida venenatis. Integer fringilla congue eros non fermentum. Sed dapibus pulvinar nibh tempor porta. Cras ac leo purus. Mauris quis diam velit.

*Terres rouges building 14, porte de France L-4360 Esch-sur-Alzette Belval,
Luxembourg*

Make IT real



```
li{  
  display: inline-block;  
  min-width: 100px;  
  padding: 20px;  
  list-style-type: none;  
  background-color: white;  
  color: black;  
  border: 1px solid black;  
}
```



Inline-block

- Compared to `display: block` (div), the major difference is that `display: inline-block` does not add a line-break after the element, so the element can sit next to other elements.

