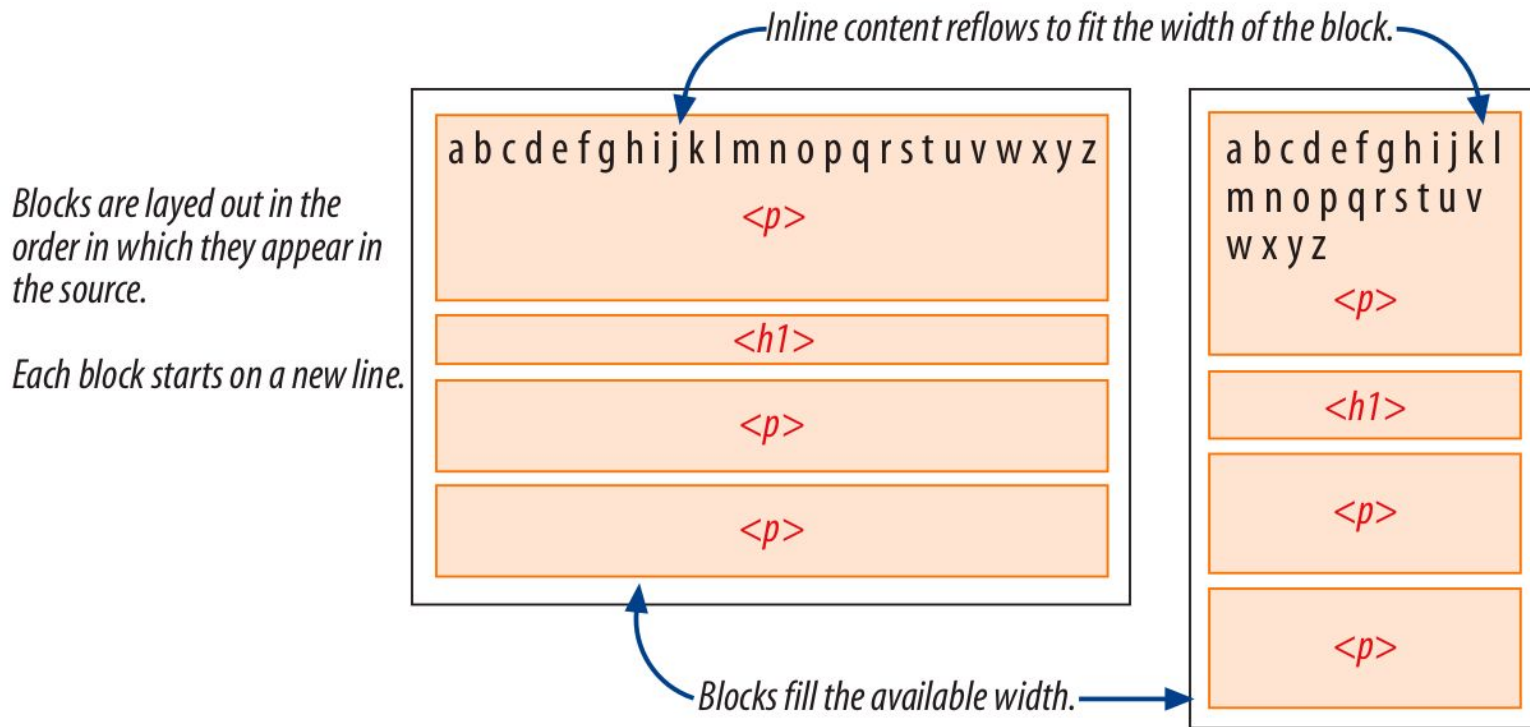


Floating and positioning

Web development I: Front-end engineering

Normal layout flow



Floating

float: left | right | none | inherit

```
img {  
  float: right;  
}
```

A floated element is like an island in a stream.

Floats stay in the content area of the containing element.

Margins are maintained.

Inline image in the normal flow

space next to the image is held clear



They went down, down, down, till at last they came to a passage with a door at one end, which was only fastened with a latch. The eldest Princess opened it, and they found themselves immediately in a lovely little wood, where the leaves were spangled with drops of silver which shone in the brilliant light of the moon. They next crossed another wood where the leaves were sprinkled with gold, and after that another still, where the leaves glittered with diamonds.

Inline image floated to the right.

They went down, down, down, till at last they came to a passage with a door at one end, which was only fastened with a latch. The eldest Princess opened it, and they found themselves immediately in a lovely little wood, where the leaves were spangled with drops of silver which shone in the brilliant light of the moon. They next crossed another wood where the leaves were sprinkled with gold, and after that another still, where the leaves glittered with diamonds.



image moves over and text wraps around it

Inline elements:

- Provide a width for floated text elements.
- Floated inline elements behave as block elements.
- Margins on floated elements do not collapse.

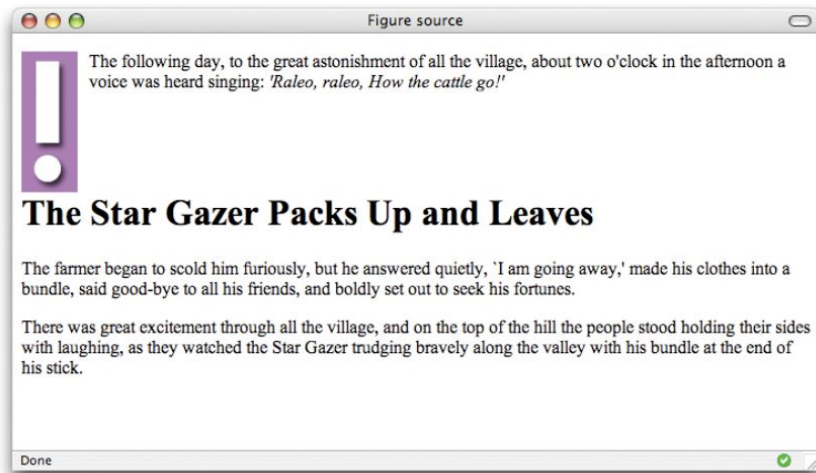
Block elements:

- Provide a width for floated block elements.
- Elements do not float higher than their reference in the source.

Clearing floats

clear: left | right | both | none | inherit

```
img {  
  float: left;  
}  
  
h2 {  
  clear: left;  
}
```



Floating multiple elements

<p>P1</p>

<p class="float">P2</p>

<p class="float">P3</p>

<p class="float">P4</p>

<p class="float">P5</p>

<p>P6</p>

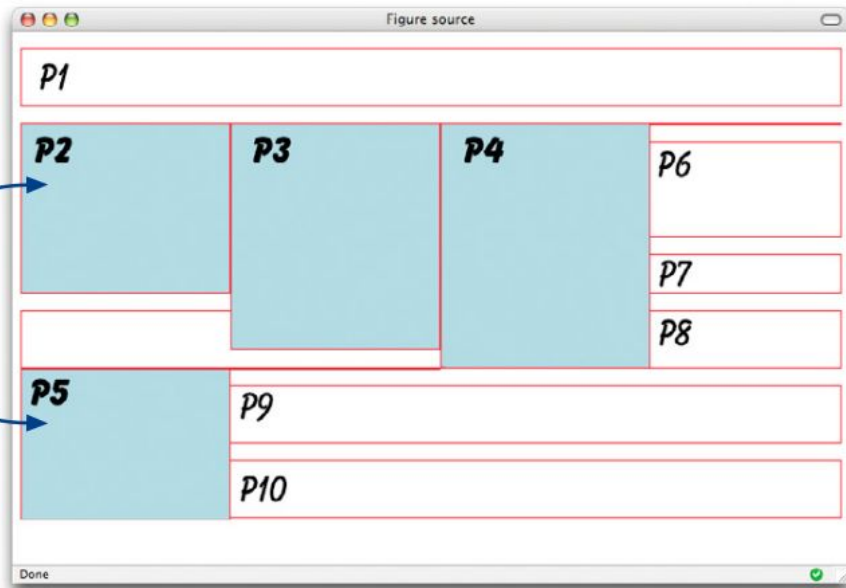
<p>P7</p>

<p>P8</p>

<p>P9</p>

<p>P10</p>

*Elements floated to the
same side line up. If
there is not enough
room, subsequent
elements move down.*



Containing floats

```
#container {  
    float: left;  
}
```

```
#container {  
    overflow: auto;  
}
```



Hand-stitched iPhone motif
[More info](#)



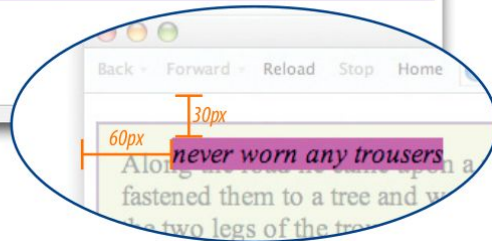
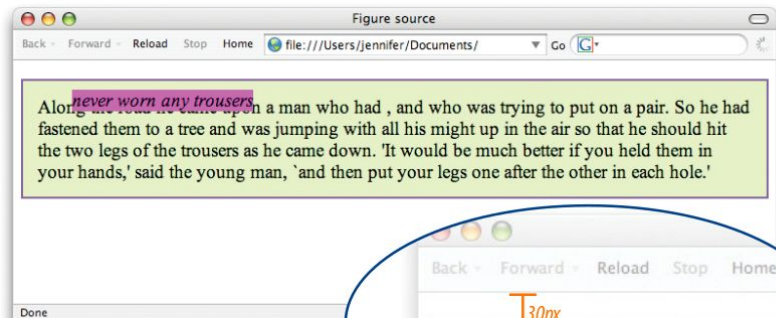
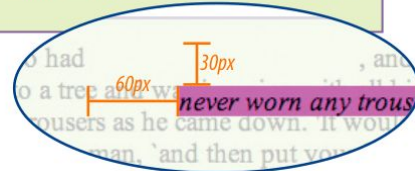
Hand-stitched iPhone motif
[More info](#)

Positioning

position: static | relative | absolute | fixed |
inherit

Also **top**, **right**, **bottom**, and **left** properties:
length measurement | percentage | auto |
inherit

Along the road he came upon a man who had , and who was trying to put on a pair. So he had fastened them to a tree and was jumping with all his might up in the air so that he should hit the two legs of the trousers as he came down. 'It would be much better if you held them in your hands,' said the young man, 'and then put your legs one after the other in each hole.'

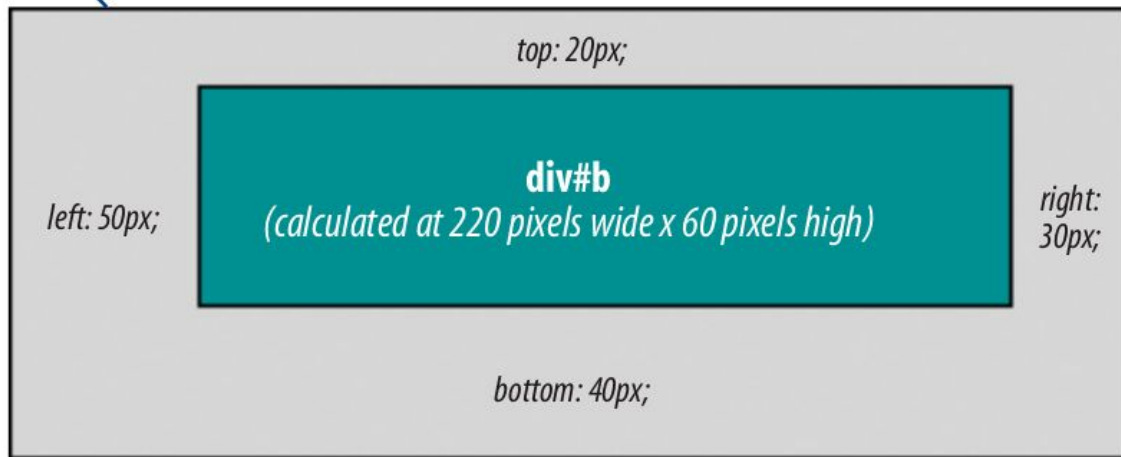


Positioning

```
div#a {  
  position: relative;  
  height: 120px;  
  width: 300px;  
}
```

```
div#b {  
  position: absolute;  
  top: 20px;  
  right: 30px;  
  bottom: 40px;  
  left: 50px;  
}
```

div#a (*width: 300px; height: 120px;*)



Fixed positioning


Relative to the viewport.

Even when scrolling!

AWESOME SITE
OF THE WEEK

NEW PRODUCTS


BARWARE



The perfect wedding gift. Our highest quality glassware is sandblasted by hand with the character of your choice. Choose from 30 characters and 24 typefaces. Custom designs are also available for an additional design charge. Allow 2 to 4 weeks for delivery.

[More about custom barware...](#)

BABYWARE



Tired of sickly-sweet? These onesies with oversized letters in bold, bright patterns are a welcome change from the usual

TESTIMONIALS

"The Jenware onesies were the hit of the baby shower. The custom letter "a" and handmade quality made this gift really stand out among the cookie-cutter clothes from the department store."

"Thanks for the cool Jenware barware. I couldn't wait until I found "Mr. Right," so I just bought a set for myself! My friends always want to know where I got them so I send them to your site."

Stacking order

z-index: number | auto | inherit

Painter's Algorithm:

```
sort polygons by depth
```

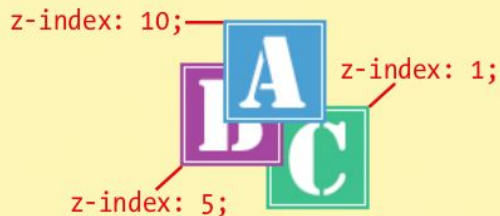
```
for each polygon p:
```

```
    for each pixel that p covers:
```

```
        paint p.color on pixel
```



By default, elements later in the document stack on top of preceding elements.



You can change the stacking order with the z-index property. Higher values stack on top of lower values.