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Sams **Teach Yourself**

HTML, CSS & JavaScript Web Publishing

in **One Hour** a Day

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Seventh Edition

FIGURE 9.4
The Halloween House page with an image inside the heading.

The image doesn't have to be large, and it doesn't have to be at the beginning of the text. You can include an image anywhere in a block of text, as in the following:

Input ▼

```
<blockquote>
    Love, from whom the world <img src="world.gif"> begun,<br>
    Hath the secret of the sun. <img src="sun.gif"><br>
    Love can tell, and love alone, Whence the million stars
    <img src="star.gif"> were strewn<br>
    Why each atom <img src="atom.gif"> knows its own.<br>
    --Robert Bridges
</blockquote>
```
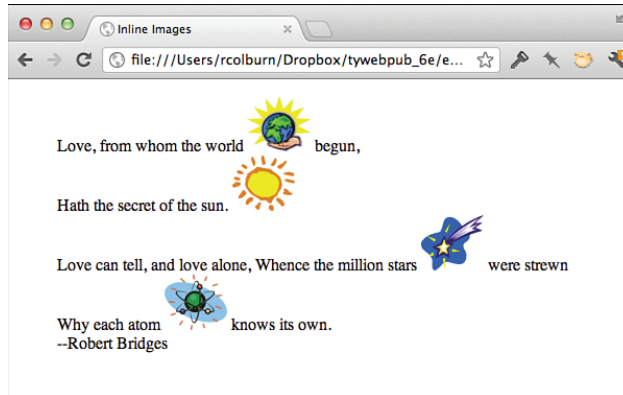
Figure 9.5 shows how this block looks.

Output ▼

FIGURE 9.5
Images can go any-
where in text.

Text and Image Alignment

In these examples, the bottom of the image and the bottom of the text are aligned. You can change how inline images align with text using the `vertical-align` CSS property.

The values supported by the `vertical-align` property are as follows:

`baseline`	Aligns the bottom of the image with the baseline of its parent. This is the default.
`top`	Aligns the top of the image with the top of the line (which may be the top of the text or the top of another image).
`middle`	Aligns the center of the image with the middle of lowercase letters in the parent element.
`bottom`	Aligns the bottom of the image with the bottom of the line.
`text-top`	Aligns the top of the image with the top of the parent element's font (whereas `top` aligns the image with the topmost item in the line).
`text-bottom`	Aligns the bottom of the image with the bottom of the parent element's font.
`sub`	Aligns the element as if it were a subscript.
`sup`	Aligns the element as if it were a superscript.
`length`	Raises or lowers the element by the specified length. Negative values are allowed.
`%`	Raises or lowers the element in a percent of the `line-height` property. Negative values are allowed.

Figure 9.6 shows the Robert Bridges poem from the previous section with the world image unaligned, the sun image aligned to the top of the line, the star image aligned to the middle, and the atom aligned to the bottom of the text.
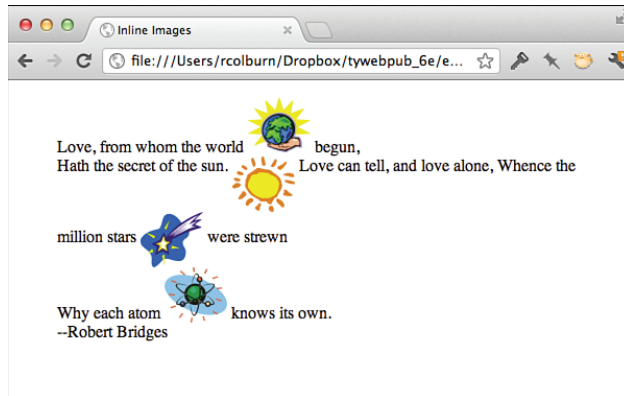
Input ▼

```
<blockquote>
     Love, from whom the world
     <img src="world.gif"> begun,<br>
     Hath the secret of the sun.
     <img src="sun.gif" style="vertical-align: top;"><br>
     Love can tell, and love alone, Whence the million stars
     <img src="star.gif" style="vertical-align: middle;"> were strewn<br>
     Why each atom <img src="atom.gif" style="vertical-align: bottom;">
     knows its own.<br>
     --Robert Bridges
</blockquote>
```

Output ▼

FIGURE 9.6
Images unaligned, aligned top, aligned middle, and aligned bottom.

Other alignment options are shown in the following example.

Input ▼

```
<h2>vertical-align "top" versus vertical-align "text-top":</h2>
<p>
  <img src="line.gif">
  vertical-align: top <img src="uparrow.gif" style="vertical-align: top;" />
  vertical-align: text-top <img src="uparrow.gif" style="vertical-align:
  text-top;" />
</p>
```

```
<h2>align "absmiddle" versus vertical-align "middle"</h2>
<p>
  <img src="line.gif">
  align: middle <img src="forward.gif" align="middle">
  vertical-align: middle <img src="forward.gif" style="vertical-align: middle;">
</p>
<h2>vertical-align "baseline" versus vertical-align "text-bottom"</h2>
<p>
  <img src="line.gif">
  vertical-align: baseline <img src="down.gif" style="vertical-align: baseline;">
  vertical-align: text-bottom <img src="down.gif" style="vertical-align:
  text-bottom;">
</p>
```
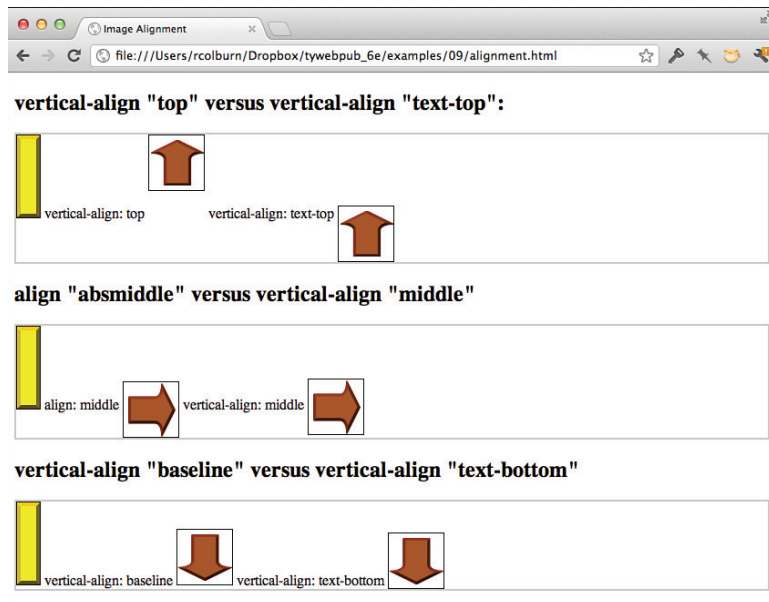
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Figure 9.7 shows examples of all the options as they appear in a browser. In each case, the line on the left side and the text are aligned with each other, and the position of the arrow varies.

Output ▼

FIGURE 9.7
Image alignment options.

Wrapping Text Next to Images

Including an image inside a line works fine if you have only one line of text. To control the flow of text around an image, you'll need to use CSS. Images are just like any other element as far as the `float` property goes, so you can use the `float` and `clear` CSS properties to control text flow around them, as discussed in the earlier lesson.

Floating Images

As you learned in Lesson 8, "Using CSS to Style a Site," the `float` property removes an element from flow of the page and aligns it with the left or right side of its container. You can float images the same way you float any other element, using the `float` property as shown in the example that follows:

Input ▼

```
<img src="tulips.gif" style="float: left;">
<h1>Mystery Tulip Murderer Strikes</h1>
<p>
  Someone, or something, is killing the tulips of New South
  Haverford, Virginia. Residents of this small town are
  shocked and dismayed by the senseless vandalism that has
  struck their tiny town.
</p>
<p>
  New South Haverford is known for its extravagant displays
  of tulips in the springtime, and a good portion of its
  tourist trade relies on the people who come from as far as
  New Hampshire to see what has been estimated as up to two
  hundred thousand tulips that bloom in April and May.
</p>
<p>
  Or at least the tourists had been flocking to New South
  Haverford until last week, when over the course of three
  days the flower of each and every tulip in the town was
  neatly clipped off while the town slept.
</p>
<p>
  "It started at the south end of town," said Augustin Frouf,
  a retired ladder-maker who has personally planted over five
  hundred pink lily-flowered tulips. "They hit the houses up
  on Elm Street, and moved down into town from there. After
  the second night, we tried keeping guard. We tried bright
  lights, dogs, everything. There was always something that
  pulled us away, and by the time we got back, they were all
  gone."
</p>
```
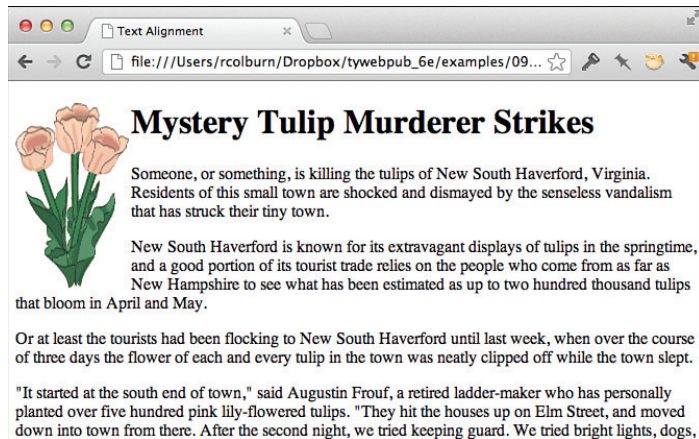
Figure 9.8 shows an image with some text aligned next to it. In this case, the enclosing container for the image is the body of the page, and the image is floated to the left side of that container. The rest of the content of the page flows around it.

Output ▼

FIGURE 9.8
A floated image.

Stopping Text Wrapping

What if you want to stop the page content flowing around a floated image and start the next line underneath the image? A normal line break won't do it; it just breaks the line to the current margin alongside the image. A new paragraph also continues wrapping the text alongside the image. To stop wrapping text next to an image, use the `clear` CSS property. This enables you to return to the normal page flow past the floated element.

As mentioned in Lesson 8, the `clear` property can have one of three values:

`left`	Break to an empty left margin, for left-aligned images
`right`	Break to an empty right margin, for right-aligned images
`both`	Break to a line clear to both margins

For example, the following code snippet shows a picture of a tulip with some text wrapped next to it. Adding a `style` attribute to the first paragraph with `clear` set to `left` breaks the text wrapping after the heading and restarts the text after the image: