

# Images in CSS

# SIZE

```



```

```
img.large {
  width: 500px;
  height: 500px;}
img.medium {
  width: 250px;
  height: 250px;}
img.small {
  width: 100px;
  height: 100px;}
```

RESULT



CSS

# Aligning images

```
<p>
<b><i>Magnolia</i></b> is a large genus that
contains over 200 flowering plant species...</p>
<p>
Some magnolias, such as <i>Magnolia stellata</i>
and <i>Magnolia soulangeana</i>, flower quite
early in the spring before the leaves open...</p>
```

CS

```
img.align-left {
  float: left;
  margin-right: 10px;}
img.align-right {
  float: right;
  margin-left: 10px;}
img.medium {
  width: 250px;
  height: 250px;}
```

RESUL



**Magnolia** is a large genus that contains over 200 flowering plant species. It is named after French botanist Pierre Magnol, and having evolved before bees appeared the flowers were developed to encourage pollination by beetles.

Some magnolias, such as *Magnolia stellata* and *Magnolia soulangeana*, flower quite early in the spring before the leaves open. Others flower in late spring or early summer, such as *Magnolia grandiflora*.



# Centering images

```
<p>
<b><i>Magnolia</i></b> is a large genus that
contains over 200 flowering plant species. It
is named after French botanist Pierre Magnol and,
having evolved before bees appeared, the
flowers were developed to encourage pollination
by beetle.</p>
```

SS

```
img.align-center {
  display: block;
  margin: 0px auto;}
img.medium {
  width: 250px;
  height: 250px;}
```

ESULT



**Magnolia** is a large genus that contains over 200 flowering plant species. It is named after French botanist Pierre Magnol and, having evolved before bees appeared, the flowers were developed to encourage pollination by beetle.

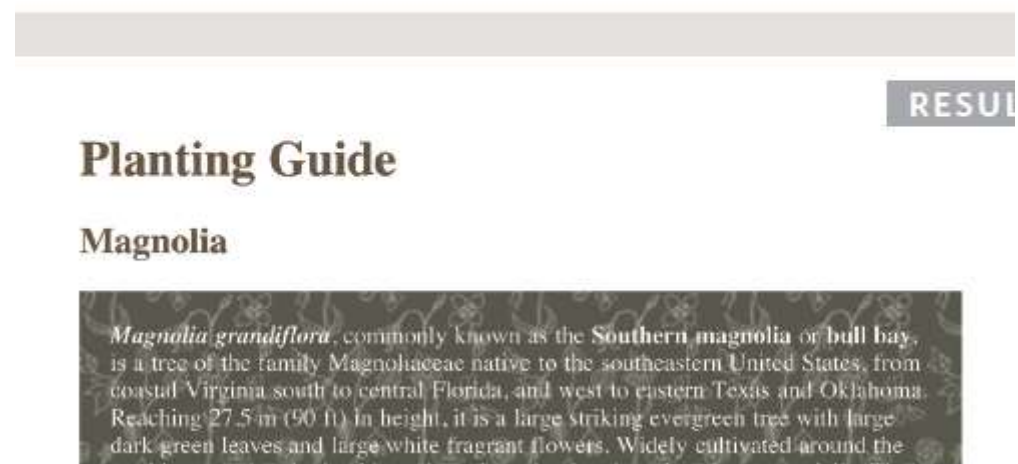
# Background Images

## background-image

```
body {  
  background-image: url("images/pattern.gif");}
```



```
p {  
  background-image: url("images/pattern.gif");}
```



# Repeating Images

## background-repeat background-attachment

```
body {  
  background-image: url("images/header.gif");  
  background-repeat: repeat-x;}
```

### repeat

The background image is repeated both horizontally and vertically (the default way it is shown if the background-repeat property isn't used).

### repeat-x

The image is repeated horizontally only (as shown in the first example on the left).

### repeat-y

The image is repeated vertically only.

### no-repeat

The image is only shown once.

The background-attachment property specifies whether a background image should stay in one position or move as the user scrolls up and down the page. It can have one of two values:

### fixed

The background image stays in the same position on the page.

### scroll

The background image moves up and down as the user scrolls up and down the page.

```
body {  
  background-image: url("images/tulip.gif");  
  background-repeat: no-repeat;  
  background-attachment: fixed;}
```

## Planting Guide

### Magnolia

*Magnolia grandiflora*, commonly known as the **Southern magnolia** or **bull bay**, is a tree of the family Magnoliaceae native to the southeastern United States, from coastal Virginia south to central Florida, and west to eastern Texas and Oklahoma. Reaching 27.5 m (90 ft) in height, it is a large striking evergreen tree with large dark green leaves and large white fragrant flowers. Widely cultivated around the world, over a hundred

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# Background Position

## background-position

```
body {  
  background-image: url("images/tulip.gif");  
  background-repeat: no-repeat;  
  background-position: center top;}
```

RESULT

### Planting Guide

#### Magnolia

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chapter-16/background-position-percentage.html

CSS

```
body {  
  background-image: url("images/tulip.gif");  
  background-repeat: no-repeat;  
  background-position: 50% 50%;}
```

RESULT

### Planting Guide

#### Magnolia

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If you only specify one value, the second value will default to center.

You can also use a pair of pixels or percentages. These represent the distance from the top left corner of the browser window (or containing box). The top left corner is equal to 0% 0%. The example shown, with values of 50% 50%, centers the image horizontally and vertically.

# shorthand background

```
body {  
  background: #ffffff url("images/tulip.gif")  
    no-repeat top right;}  
}
```

## RESULT

### Planting Guide

#### Magnolia

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#### Ranunculus

*Ranunculus asiaticus* (*Persian Buttercup*) is a species of buttercup (Ranunculus) native to the eastern Mediterranean region in southwestern Asia, southeastern Europe (Crete, Karpathos and Rhodes), and northeastern Africa. It is a herbaceous perennial plant growing to 45 cm tall, with simple or branched stems. The basal leaves are three-lobed, with leaves higher on the stems more deeply divided; like the stems, they are downy or hairy. The flowers are 3-5 cm diameter, variably red to pink, yellow, or white, with one to several flowers on each stem.

#### Tulip

*Tulipa gesneriana* L. or "*Didier's tulip*" is a plant belonging to the family of Liliaceae. This species has uncertain origins, possibly from Asia, and has become naturalised in south-west Europe. Most of the cultivated species, subspecies and cultivars of tulip are derived from *Tulipa gesneriana*. The flower and bulb can cause dermatitis through the allergen, tuliposide A, even though the bulbs may be consumed with little ill-effect. The sweet-scented bisexual flowers appear during April and May. Bulbs are extremely resistant to frost, and can tolerate temperatures well below freezing - a period of low temperature is necessary to induce proper growth and flowering, triggered by an increase in sensitivity to the phytohormone auxin. The bulbs may be dried and pulverised and added to cereals or flour.

- 1: background-color
- 2: background-image
- 3: background-repeat
- 4: background-attachment
- 5: background-position

```
div {  
  background:  
    url(example-1.jpg)  
    top left no-repeat,  
    url(example-2.jpg)  
    bottom left no-repeat,  
    url(example-3.jpg)  
    centre top repeat-x;}  
}
```



# Image Rollovers & Sprites

```
<a class="button" id="add-to-basket">
  Add to basket</a>
<a class="button" id="framing-options">
  Framing options</a>
```

```
a.button {
  height: 36px;
  background-image: url("images/button-sprite.jpg");
  text-indent: -9999px;
  display: inline-block;}
a#add-to-basket {
  width: 174px;
  background-position: 0px 0px;}
a#framing-options {
  width: 210px;
  background-position: -175px 0px;}
a#add-to-basket:hover {
  background-position: 0px -40px;}
a#framing-options:hover {
  background-position: -175px -40px;}
a#add-to-basket:active {
  background-position: 0px -80px;}
a#framing-options:active {
  background-position: -175px -80px;}
```

## COMPLETE IMAGE SPRITE



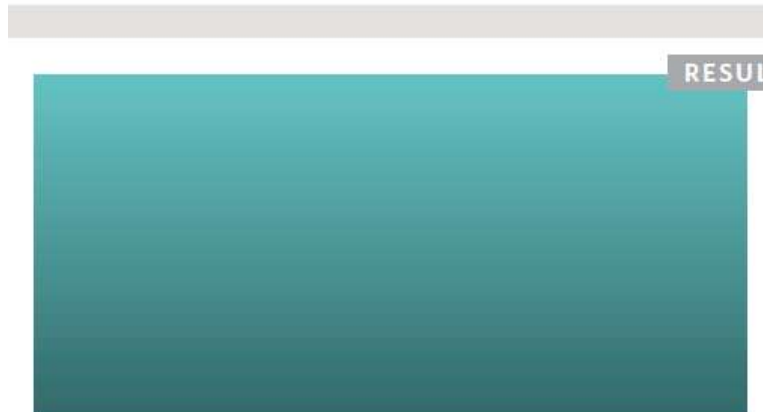
## RESULT



# CSS 3: Gradients

## background-image

```
#gradient {  
  /* fallback color */  
  background-color: #66cccc;  
  /* fallback image */  
  background-image: url(images/fallback-image.png);  
  /* Firefox 3.6+ */  
  background-image: -moz-linear-gradient(#336666,  
    #66cccc);  
  /* Safari 4+, Chrome 1+ */  
  background-image: -webkit-gradient(linear, 0% 0%,  
    0% 100%, from(#66cccc), to(#336666));  
  /* Safari 5.1+, Chrome 10+ */  
  background-image: -webkit-linear-gradient(#336666,  
    #66cccc);  
  /* Opera 11.10+ */  
  background-image: -o-linear-gradient(#336666,  
    #66cccc);  
  height: 150px;  
  width: 300px;}
```



## HIGH CONTRAST



The majority of photographs have quite a high contrast, which means that they are not ideal for use as a background image.

## LOW CONTRAST

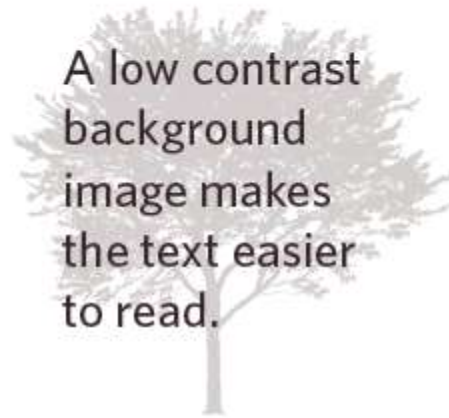


Image editing applications such as Photoshop and GIMP have tools that allow you to manually adjust your images to have lower contrast.

## SCREEN



To overlay text on an image with high contrast, you can place a semi-transparent background color (or "screen") behind the text to improve legibility.

Image

## Galerie Botanique

Here is a selection of antique botanical prints held in our collection.



Helianthus



Passiflora



Nyctocalos

