

Text in CSS

The properties that allow you to control the appearance of text can be split into two groups:

- Those that directly affect the font and its appearance (including the typeface, whether it is regular, bold or italic, and the size of the text)
- Those that would have the same effect on text no matter what font you were using (including the color of text and the spacing between words and letters)

Typeface Terminology

SERIF

Serif fonts have extra details on the ends of the main strokes of the letters. These details are known as serifs.

im

In print, serif fonts were traditionally used for long passages of text because they were considered easier to read.

SANS-SERIF

Sans-serif fonts have straight ends to letters, and therefore have a much cleaner design.

im

Screens have a lower resolution than print. So, if the text is small, sans-serif fonts can be clearer to read.

MONOSPACE

Every letter in a monospace (or fixed-width) font is the same width. (Non-monospace fonts have different widths.)

im

Monospace fonts are commonly used for code because they align nicely, making the text easier to follow.



WEIGHT

Light

Medium

Bold

Black

The font weight not only adds emphasis but can also affect the amount of white space and contrast on a page.

STYLE

Normal

Italic

Oblique

Italic fonts have a cursive aspect to some of the lettering. Oblique font styles take the normal style and put it on an angle.

STRETCH

Condensed

Regular

Extended

In condensed (or narrow) versions of the font, letters are thinner and closer together. In expanded versions they are thicker and further apart.

When choosing a typeface, it is important to understand that a browser will usually only display it if it's installed on that user's computer.

SERIF

Serif fonts have extra details on the end of the main strokes of the letters.

EXAMPLES:

Georgia

Times

Times New Roman

SANS-SERIF

Sans-serif fonts have straight ends to letters and therefore have a much cleaner design.

EXAMPLES:

Arial

Verdana

Helvetica

MONOSPACE

Every letter in a monospace typeface is the same width. (Non-monospace fonts have different widths.)

EXAMPLES:

Courier

Courier New

CURSIVE

Cursive fonts either have joining strokes or other cursive characteristics, such as handwriting styles.

EXAMPLES:

Comic Sans MS

Monotype Corsiva

FANTASY

Fantasy fonts are usually decorative fonts and are often used for titles. They're not designed for long bodies of text.

EXAMPLES:

Impact

Haettenschweiler

Specifying Typefaces

font-family

```
<!DOCTYPE html>
<html>
  <head>
    <title>Font Family</title>
    <style type="text/css">
      body {
        font-family: Georgia, Times, serif;}
      h1, h2 {
        font-family: Arial, Verdana, sans-serif;}
      .credits {
        font-family: "Courier New", Courier,
          monospace;}
    </style>
  </head>
  <body>
    <h1>Briards</h1>
    <p class="credits">by Ivy Duckett</p>
    <p class="intro">The <a class="breed"
      href="http://en.wikipedia.org/wiki/
      Briard">briard</a>, or berger de brie, is
      a large breed of dog traditionally used as
      a herder and guardian of sheep...</p>
  </body>
</html>
```

Briards

by Ivy Duckett

The [briard](#), or berger de brie, is a large breed of dog traditionally used as a herder and guardian of sheep.

Breed History

The briard, which is believed to have originated in France, has been bred for centuries to herd and to protect sheep. The breed was used by the French Army as sentries, messengers and to search for wounded soldiers because of its fine sense of hearing. Briards were used in the First World War almost to the point of extinction. Currently the population of briards is slowly recovering. Charlemagne, Napoleon, Thomas Jefferson and Lafayette all owned briards.

Size of Type

font-size

```
body {  
  font-family: Arial, Verdana, sans-serif;  
  font-size: 12px;}  
h1 {  
  font-size: 200%;}  
h2 {  
  font-size: 1.3em;}
```

RESULT

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PIXELS

Pixels are commonly used because they allow web designers very precise control over how much space their text takes up. The number of pixels is followed by the letters px.

PERCENTAGES

The default size of text in browsers is 16px. So a size of 75% would be the equivalent of 12px, and 200% would be 32px.

If you create a rule to make all text inside the <body> element to be 75% of the default size (to make it 12px), and then specify another rule that indicates the content of an element inside the <body> element should be 75% size, it will be 9px (75% of the 12px font size).

EMS

An em is equivalent to the width of a letter m.

8_{pt}

9_{pt}

10_{pt}

11_{pt}

12_{pt}

14_{pt}

18_{pt}

24_{pt}

36_{pt}

48_{pt}

60_{pt}

72_{pt}

PIXELS

TWELVE PIXEL SCALE

h1	24px
h2	18px
h3	14px
body	12px

=

PERCENTAGES

h1	200%
h2	150%
h3	117%
body	75%

=

EMS

h1	1.5em
h2	1.3em
h3	1.17em
body	100%
p	0.75em

SIXTEEN PIXEL SCALE

h1	32px
h2	24px
h3	18px
body	16px

=

h1	200%
h2	150%
h3	133%
body	100%

=

h1	2em
h2	1.5em
h3	1.125em
body	100%
p	1em

@font-face allows you to use a font, even if it is not installed on the computer of the person browsing, by allowing you to specify a path to a copy of the font, which will be downloaded if it is not on the user's machine.

Because this technique allows a version of the font to be downloaded to the user's computer, it is important that the license for the font permits it to be used in this way.

You add the font to your style sheet using the @font-face rule, as shown on the right.

font-family

This specifies the name of the font. This name can then be used as a value of the font-family property in the rest of the style sheet (as shown in the rule for the <h1> and <h2> elements).

src

This specifies the path to the font. In order for this technique to work in all browsers, you will probably need to specify paths to a few different versions of the font, as shown on the next page.

format

This specifies the format that the font is supplied in. (It's discussed in detail on the next page.)

chapter-12/font-face.html

CSS

```
@font-face {
  font-family: 'ChunkFiveRegular';
  src: url('fonts/chunkfive.eot');}
h1, h2 {
  font-family: ChunkFiveRegular, Georgia, serif;}
```

RESULT

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Many typeface makers do not allow you to use their fonts in this way, but there are open source fonts you can use freely. You can find lists of them at:

www.fontsquirrel.com
www.fontex.org
www.openfontlibrary.org

When looking at fonts on these sites, it is still important to check the font's license agreement because some fonts are only free for personal use (that is, not for use on commercial websites).

There are some sites that give you access to use commercial fonts, because they negotiated permission to let their customers use these fonts for a fee:

www.typekit.com
www.kernest.com
www.fontspring.com

Google also provides open source fonts. Rather than adding the @font-face rule to your own style sheet, you link to a CSS file and font files on their servers: www.google.com/webfonts

```
@font-face {  
  font-family: 'ChunkFiveRegular';  
  src: url('fonts/chunkfive.eot');  
  src: url('fonts/chunkfive.eot?#iefix')  
        format('embedded-opentype'),  
        url('fonts/chunkfive.woff') format('woff'),  
        url('fonts/chunkfive.ttf')  
        format('truetype'),  
        url('fonts/chunkfive.svg#ChunkFiveRegular')  
        format('svg');}
```

BROWSER

FORMAT

	eot	woff	ttf/ otf	svg
Chrome (all)				●
Chrome 6+		●	●	●
Firefox 3.5			●	
Firefox 3.6+		●	●	
IE 5 - 8	●			
IE 9+	●	●	●	
Opera 10+			●	●
Safari 3.1+			●	●
iOS <4.2				●
iOS 4.2+			●	●

Bold

font-weight

```
.credits {  
  font-weight: bold;}
```

RESULT

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normal

This causes text to appear at a normal weight.

bold

This causes text to appear bold.

Italic font-style

CSS

chapter-12/font-style.html

```
.credits {  
  font-style: italic;}
```

RESULT

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If you want to create italic text, you can use the `font-style` property. There are three values this property can take:

normal

This causes text to appear in a normal style (as opposed to italic or oblique).

italic

This causes text to appear italic.

oblique

This causes text to appear oblique.

In this example, you can see that the credits have been italicized.

UpperCase & LowerCase

text-transform

The text-transform property is used to change the case of text giving it one of the following values:

uppercase

This causes the text to appear uppercase.

lowercase

This causes the text to appear lowercase.

capitalize

This causes the first letter of each word to appear capitalized.

In this example, the <h1> element is uppercase, the <h2> element is lowercase, and the credits are capitalized. In the HTML, the word *by* in the credits had a lowercase *b*.

chapter-12/text-transform.html

CSS

```
h1 {
  text-transform: uppercase;}
h2 {
  text-transform: lowercase;}
.credits {
  text-transform: capitalize;}
```

RESULT

BRIARDS

By Ivy Duckett

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breed history

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Underline & Strike

text-decoration

```
.credits {  
  text-decoration: underline;}  
a {  
  text-decoration: none;}
```

RESULT

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following values:

none

This removes any decoration already applied to the text.

underline

This adds a line underneath the text.

overline

This adds a line over the top of the text.

line-through

This adds a line through words.

blink

This animates the text to make it flash on and off (however this is generally frowned upon, as it is considered rather annoying).

Leading line-height

```
p {  
  line-height: 1.4em;}
```

RESULT

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RESULT MINUS CSS

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Letter & Word Spacing

letter-spacing, word-spacing

```
h1, h2 {
  text-transform: uppercase;
  letter-spacing: 0.2em;}
.credits {
  font-weight: bold;
  word-spacing: 1em;}
```

RESULT

BRIARDS

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BREED HISTORY

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Alignment

text-align

The text-align property allows you to control the alignment of text. The property can take one of four values:

left

This indicates that the text should be left-aligned.

right

This indicates that the text should be right-aligned.

center

This allows you to center text.

justify

This indicates that every line in a paragraph, except the last line, should be set to take up the full width of the containing box.

chapter-12/text-align.html

CSS

```
h1 {
  text-align: left;}
p {
  text-align: justify;}
.credits {
  text-align: right;}
```

Briards

RESULT

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Vertical Alignment

vertical-align

```
#six-months {  
  vertical-align: text-top;}  
#one-year {  
  vertical-align: baseline;}  
#two-years {  
  vertical-align: text-bottom;}
```

RESULT

Briard Life Stages



Six months



One year



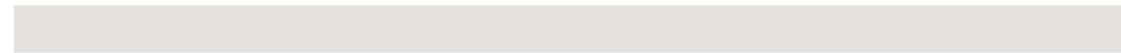
Two years

baseline
sub
super
top
text-top
middle
bottom
text-bottom

Indenting Text

text-indent

```
h1 {  
  background-image: url("images/logo.gif");  
  background-repeat: no-repeat;  
  text-indent: -9999px;}  
.credits {  
  text-indent: 20px;}
```



RESULT



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```

p.one {
  background-color: #eeeeee;
  color: #666666;
  text-shadow: 1px 1px 0px #000000;}
p.two {
  background-color: #dddddd;
  color: #666666;
  text-shadow: 1px 1px 3px #666666;}
p.three {
  background-color: #cccccc;
  color: #ffffff;
  text-shadow: 2px 2px 7px #111111;}
p.four {
  background-color: #bbbbbb;
  color: #cccccc;
  text-shadow: -1px -2px #666666;}
p.five {
  background-color: #aaaaaa;
  color: #ffffff;
  text-shadow: -1px -1px #666666;}

```

ESULT

The briard is known as a heart wrapped in fur.

The briard is known as a heart wrapped in fur.

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The briard is known as a heart wrapped in fur.

CSS3: Drop Shadow

text-shadow

First Lett er or Line

:first-letter, :first-line

```

p.intro:first-letter {
  font-size: 200%;}
p.intro:first-line {
  font-weight: bold;}

```

RESUL

Briards

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Styling Links

:link, :visited

```
a:link {
  color: deeppink;
  text-decoration: none;}
a:visited {
  color: black;}
a:hover {
  color: deeppink;
  text-decoration: underline;}
a:active {
  color: darkcyan;}
```

ESULT

Dog Breeds: B

- Basset Hound
- Beagle
- Bearded Collie
- Beauceron
- Bedlington Terrier
- Belgian Shepherd
- Bergamasco
- Bichon Frise
- Bloodhound
- Bolognese
- Border Collie
- Border Terrier
- Borzoi
- Bouvier des Flandres
- Briard
- Bull Terrier
- Bulldog

:link

This allows you to set styles for links that have not yet been visited.

:visited

This allows you to set styles for links that have been clicked on.

Exercise

Briards

A HEART WRAPPED IN FUR

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