

APPENDIX

B

## CSS REFERENCE

**T**his appendix includes the most commonly used CSS property descriptions, sorted both alphabetically and by category. For more detailed information, visit the World Wide Web Consortium Web site at [www.w3.org](http://www.w3.org).

## CSS NOTATION REFERENCE

Table B-1 CSS notations

Notation	Definition
<>	Words between angle brackets specify a type of value; for example, <color> means to enter a color value such as red
	A single vertical bar between values means one or the other must occur; for example, scroll   fixed means choose scroll or fixed
	Two vertical bars separating values means one or the other or both values can occur; for example, <border-width>    <border-style>    <color> means any or all of the three values can occur
[ ]	Square brackets group parts of the property value together; for example, none   [ underline    overline    line-through    blink ] means the value is either none or one of the values within the square brackets

## ALPHABETICAL CSS PROPERTY REFERENCE

Table B-2 CSS properties

Property	Values	Default	Applies to
Background (Shorthand property)	<background-color>    <background-image>    <background-repeat>    <background-attachment>    <background-position>	No default for shorthand properties	All elements
Background-attachment	scroll   fixed	scroll	All elements
Background-color	color name or hexadecimal value   transparent	transparent	All elements
Background-image	<url>   none	none	All elements
Background-position	[<percentage>   <length>] {1,2}   [top   center   bottom]    [left   center   right]	0% 0%	Block-level and replaced elements
Background-repeat	repeat   repeat-x   repeat-y   no-repeat	repeat	All elements
Border (Shorthand property)	<border-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-bottom	<border-bottom-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-bottom-color	<color>	The value of the color property	All elements

Table B-2 CSS properties (continued)

Property	Values	Default	Applies to
Border-bottom-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-bottom-width	thin   medium   thick   <length>	medium	All elements
Border-color	<color>	The value of the color property	All elements
Border-left (Shorthand property)	<border-left-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-left-color	<color>	The value of the color property	All elements
Border-left-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-left-width	thin   medium   thick   <length>	medium	All elements
Border-right (Shorthand property)	<border-right-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-right-color	<color>	The value of the color property	All elements
Border-right-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-right-width	thin   medium   thick   <length>	medium	All elements
Border-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-top (Shorthand property)	<border-top-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-top-color	<color>	The value of the color property	All elements
Border-top-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-top-width	thin   medium   thick   <length>	medium	All elements

Table B-2 CSS properties (continued)

Property	Values	Default	Applies to
Border-width (Shorthand property)	[thin   medium   thick   <length>]	No default for shorthand properties	All elements
Bottom	<length>   <percentage>   auto	auto	Positioned elements
Clear	none   left   right   both	none	All elements
Color	<color>	Browser specific	All elements
Display	inline   block   list-item   run-in   compact   marker   table   inline-table   table-row-group   table-header-group   table-footer-group   table-row   table-column-group   table-column   table-cell   table-caption   none	inline	All elements
Float	left   right   none	none	All elements
Font (Shorthand property)	[ <font-style>    <font-variant>    <font-weight> ] <font-size> [ / <line-height> ] <font-family>	No default for shorthand properties	All elements
Font-family	Font family name (such as Times) or generic family name (such as sans-serif)	Browser specific	All elements
Font-size	<absolute-size>   <relative-size>   <length>   <percentage>	medium	All elements
Font-stretch	normal   wider   narrower   ultra-condensed   extra-condensed   condensed   semi-condensed   semi-expanded   expanded   extra-expanded   ultra-expanded	normal	All elements
Font-style	normal   italic   oblique	normal	All elements
Font-variant	normal   small caps	normal	All elements
Font-weight	normal   bold   bolder   lighter   100   200   300   400   500   600   700   800   900	normal	All elements
Height	<length>   <percentage>   auto	auto	Block-level and replaced elements; also all elements except inline images

Table B-2 CSS properties (continued)

Property	Values	Default	Applies to
Left	<length>   <percentage>   auto	auto	Positioned
Letter-spacing	normal   <length>	normal	All elements
Line-height	normal   <number>   <length>   <percentage>	normal	All elements
List-style (Shorthand property)	<keyword>    <position>    <url>	No default for shorthand properties	Elements with display value list-item
List-style-image	<url>   none	none	Elements with display value list-item
List-style-position	inside   outside	outside	Elements with display value list-item
List-style-type	disc   circle   square   decimal   lower-roman   upper-roman   lower-alpha   upper-alpha   none	disc	Elements with display value list-item
Margin (Shorthand property)	[ <length>   <percentage>   auto ]	No default for shorthand properties	All elements
Margin-bottom	<length>   <percentage>   auto	0	All elements
Margin-left	<length>   <percentage>   auto	0	All elements
Margin-right	<length>   <percentage>   auto	0	All elements
Margin-top	<length>   <percentage>   auto	0	All elements
Padding	<length>   <percentage>	0	All elements
Padding-bottom	<length>   <percentage>	0	All elements
Padding-left	<length>   <percentage>	0	All elements
Padding-right	<length>   <percentage>	0	All elements
Padding-top	<length>   <percentage>	0	All elements
Position	static   relative   absolute   fixed	static	All elements except generated content
Right	<length>   <percentage>   auto	auto	Positioned elements

Table B-2 CSS properties (continued)

Property	Values	Default	Applies to
Text-align	left   right   center   justify	Depends on browser and language direction	Block-level elements
Text-decoration	none   [ underline    overline    line-through    blink ]	none	All elements
Text-indent	<length>   <percentage>	0	Block-level
Text-shadow	none   [<color>    <length> <length> <length>? ,]* [<color>    <length> <length> <length>?]	none	All elements
Text-transform	capitalize   uppercase   lowercase   none	none	All elements
Top	<length>   <percentage>   auto	auto	Positioned
Vertical-align	baseline   sub   super   top   text-top   middle   bottom   text-bottom   <percentage>	baseline	Inline elements
White-space	normal   pre   nowrap	normal	Block-level elements
Width	<length>   <percentage>   auto	auto	Block-level and replaced elements; also all elements except inline elements
Word-spacing	normal   <length>	normal	All elements
Z-index	auto   integer	auto	Positioned elements

## CSS PROPERTIES BY CATEGORY

Table B-3 Font and text properties

Property	Values	Default	Applies to
Color	<color>	Browser specific	All elements
Font (Shorthand property)	[ <font-style>    <font-variant>    <font-weight> ] <font-size> [ / <line-height> ] <font-family>	No default for shorthand properties	All elements
Font-family	Font family name (such as Times) or generic family name (such as sans-serif)	Browser specific	All elements

**Table B-3** Font and text properties (continued)

Property	Values	Default	Applies to
Font-size	<absolute-size>   <relative-size>   <length>   <percentage>	medium	All elements
Font-stretch	normal   wider   narrower   ultra-condensed   extra-condensed   condensed   semi-condensed   semi-expanded   expanded   extra-expanded   ultra-expanded	normal	All elements
Font-style	normal   italic   oblique	normal	All elements
Font-variant	normal   small-caps	normal	All elements
Font-weight	normal   bold   bolder   lighter   100   200   300   400   500   600   700   800   900	normal	All elements
Letter-spacing	normal   <length>	normal	All elements
Line-height	normal   <number>   <length>   <percentage>	normal	All elements
Text-align	left   right   center   justify	Depends on browser and language direction	Block-level elements
Text-decoration	none   [ underline    overline    line-through    blink ]	none	All elements
Text-indent	<length>   <percentage>	0	Block-level elements
Text-shadow	none   [<color>    <length> <length> <length>? ,]* [<color>   <length> <length> <length>?]	none	All elements
Text-transform	capitalize   uppercase   lowercase   none	none	All elements
Vertical-align	baseline   sub   super   top   text-top   middle   bottom   text-bottom   <percentage>	Baseline	Inline elements
Word-spacing	normal   <length>	normal	All elements

Table B-4 Box properties

Property	Values	Default	Applies to
Border (Shorthand property)	<border-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-bottom	<border-bottom-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-bottom-color	<color>	The value of the color property	All elements
Border-bottom-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-bottom-width	thin   medium   thick   <length>	medium	All elements
Border-color	<color>	The value of the color property	All elements
Border-left (Shorthand property)	<border-left-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-left-color	<color>	The value of the color property	All elements
Border-left-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-left-width	thin   medium   thick   <length>	medium	All elements
Margin (Shorthand property)	[ <length>   <percentage>   auto ]	No default for shorthand properties	All elements
Margin-bottom	<length>   <percentage>   auto	0	All elements
Margin-left	<length>   <percentage>   auto	0	All elements
Margin-right	<length>   <percentage>   auto	0	All elements
Margin-top	<length>   <percentage>   auto	0	All elements
Padding	<length>   <percentage>	0	All elements
Padding-bottom	<length>   <percentage>	0	All elements
Padding-left	<length>   <percentage>	0	All elements
Padding-right	<length>   <percentage>	0	All elements
Padding-top	<length>   <percentage>	0	All elements

Table B-4 Box properties (continued)

Property	Values	Default	Applies to
Border-right (Shorthand property)	<border-right-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-right-color	<color>	The value of the color property	All elements
Border-right-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-right-width	thin   medium   thick   <length>	medium	All elements
Border-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-top (Shorthand property)	<border-top-width>    <border-style>    <color>	No default for shorthand properties	All elements
Border-top-color	<color>	The value of the color property	All elements
Border-top-style	none   dotted   dashed   solid   double   groove   ridge   inset   outset	none	All elements
Border-top-width	thin   medium   thick   <length>	medium	All elements
Border-width (Shorthand property)	[thin   medium   thick   <length>]	No default for shorthand properties	All elements
Clear	none   left   right   both	none	All elements
Float	left   right   none	none	All elements
Height	<length>   <percentage>   auto	auto	Block-level and replaced elements
Width	<length>   <percentage>   auto	auto	Block-level and replaced elements

Table B-5 Background properties

Property	Values	Default	Applies to
Background (Shorthand property)	<background-color>    <background-image>    <background-repeat>    <background-attachment>    <background-position>	No default for shorthand properties	All elements
Background-attachment	scroll   fixed	scroll	All elements
Background-color	color name or hexadecimal value   transparent	transparent	All elements
Background-image	<url>   none	none	All elements
Background-position	[<percentage>   <length>] {1,2}   [top   center   bottom]   [left   center   right]	0% 0%	Block-level and replaced elements
Background-repeat	repeat   repeat-x   repeat-y   no-repeat	repeat	All elements

Table B-6 Visual properties

Property	Values	Default	Applies to
Bottom	<length>   <percentage>   auto	auto	Positioned
Height	<length>   <percentage>   auto	auto	All elements
Left	<length>   <percentage>   auto	auto	Positioned
Position	static   relative   absolute   fixed	static	All elements except generated content
Right	<length>   <percentage>   auto	auto	Positioned elements
Top	<length>   <percentage>   auto	auto	Positioned elements
Width	<length>   <percentage>   auto	auto	All elements except inline elements
Z-index	auto   integer	auto	Positioned elements

**Table B-7** Classification properties

Property	Values	Default	Applies to
Display	inline   block   list-item   run-in   compact   marker   table   inline-table   table- row-group   table-header- group   table-footer-group   table-row   table-column- group   table-column   table- cell   table-caption   none	inline	All elements
List-style (Shorthand property)	<keyword>   <position>   <url>	No default for shorthand properties	Elements with display value list-item
List-style-image	<url>   none	none	Elements with display value list-item
List-style-position	inside   outside	outside	Elements with display value list-item
List-style-type	disc   circle   square   decimal   lower-roman   upper-roman   lower-alpha   upper-alpha   none	disc	Elements with display value list-item
White-space	normal   pre   nowrap	normal	Block-level elements

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## CSS MEASUREMENT UNITS

**Table B-8** CSS measurement codes

Unit	Code Abbreviation	Description
Centimeter	cm	Standard metric centimeter
Em	em	The width of the capital M in the current font, usually the same as the font size
Ex	ex	The height of the letter x in the current font
Inch	in	Standard U.S. inch
Millimeter	mm	Standard metric millimeter
Pica	pc	Standard publishing unit equal to 12 points
Pixel	px	The size of a pixel on the current display
Point	pt	Standard publishing unit; there are 72 points in an inch
Relative	For example: 150%	Sets a font size relative to the base font size. 150% equals 1.5 times the base font size

## ISO 369 TWO-LETTER LANGUAGE CODES

Table B-9 Language codes

Code	Language
AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Amharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Byelorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DA	Danish
DE	German
DZ	Bhutani
EL	Greek
EN	English American
EO	Esperanto
ES	Spanish
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faeroese

Table B-9 Language codes (continued)

Code	Language
FR	French
FY	Frisian
GA	Irish
GD	Gaelic Scots Gaelic
GL	Galician
GN	Guarani
GU	Gujarati
HA	Hausa
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
IN	Indonesian
IS	Icelandic
IT	Italian
IW	Hebrew
JA	Japanese
JI	Yiddish
JW	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KO	Korean
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LN	Lingala
LO	Laothian
LT	Lithuanian
LV	Latvian Lettish

Table B-9 Language codes (continued)

Code	Language
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MS	Malay
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NL	Dutch
NO	Norwegian
OC	Occitan
OM	Oromo Afan
OR	Oriya
PA	Punjabi
PL	Polish
PS	Pashto Pushto
PT	Portuguese
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi
RO	Romanian
RU	Russian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sangro
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona

Table B-9 Language codes (continued)

Code	Language
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sudanese
SV	Swedish
SW	Swahili
TA	Tamil
TE	Tegulu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tonga
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapuk
WO	Wolof
XH	Xhosa
YO	Yoruba
ZH	Chinese
ZU	Zulu

