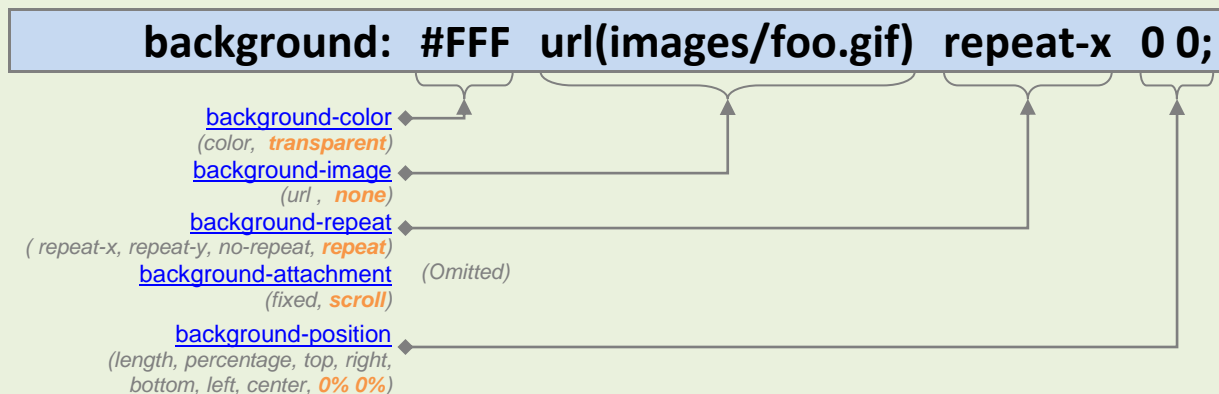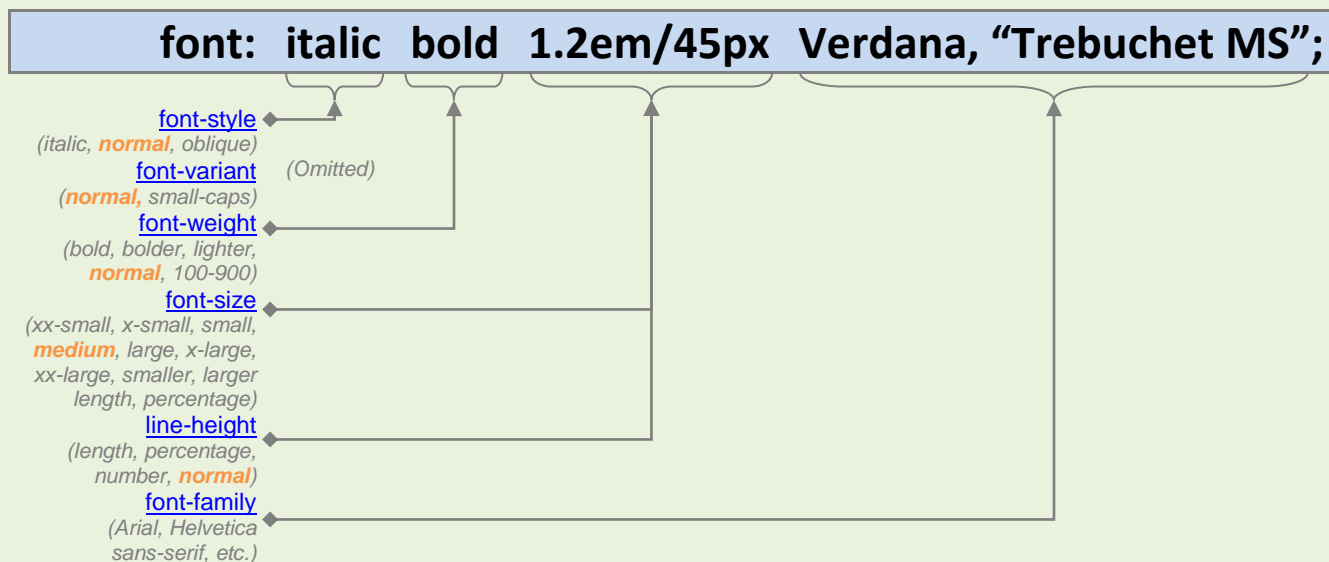# CSS Shorthand Cheat Sheet

CSS shorthand allows you to combine multiple CSS properties (up to six for fonts!) into one space-saving, easy-to-use declaration. While the order of the shorthand notation is not supposed to matter, it's best to follow the same order that the W3C uses. Properties with default values (*bold*) can be omitted from the shorthand version.

Background

background: #FFF url(images/foo.gif) repeat-x 0 0;

background-color
*(color, **transparent**)*

background-image
*(url , **none**)*

background-repeat
*(repeat-x, repeat-y, no-repeat, **repeat**)*

background-attachment   *(Omitted)*
*(fixed, **scroll**)*

background-position
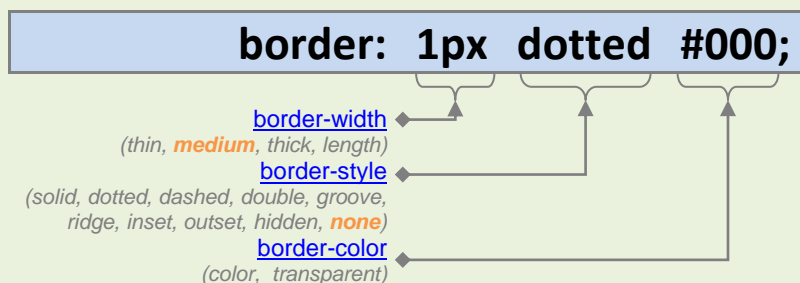*(length, percentage, top, right, bottom, left, center, **0% 0%**)*

Note: The background-position property can have a wide variety of values. Google it for a more in-depth explanation of the various combinations.

Font

font: italic bold 1.2em/45px Verdana, "Trebuchet MS";

font-style
*(italic, **normal**, oblique)*

font-variant   *(Omitted)*
*(**normal,** small-caps)*

font-weight
*(bold, bolder, lighter, **normal**, 100-900)*

font-size
*(xx-small, x-small, small, **medium**, large, x-large, xx-large, smaller, larger length, percentage)*

line-height
*(length, percentage, number, **normal**)*

font-family
(Arial, Helvetica sans-serif, etc.)

Note: Every element of the font shorthand has a default except the font-family which must be specified.

Border

border: 1px dotted #000;

border-width
*(thin, **medium**, thick, length)*

border-style
*(solid, dotted, dashed, double, groove, ridge, inset, outset, hidden, **none**)*

border-color
(color, transparent)

Note: Since the default border-style is none, omitting it will not render a border. Border-width, border-style, and border-color are themselves shortcuts as they allow you to combine the four (top, right, bottom, and left) border statements into one. For example, border-width: 2px equals border-top-width:2px, border-right-width:2px, border-bottom-width:2px, border-left-width:2px.

CSS Cheat Sheet

Syntax

```
/* Comments */
@media type {
  selector {
    property: value;
  }
}
```

Note:
media type is optional

Inline Style
```
<tag style="property: value;">
```

Embedded Style
```
<head>
  <style type="text/css">
    selector { property: value; }
  </style>
</head>
```

External Style Sheet
```
<head>
  <link rel="stylesheet"
  type="text/css" href="style.css" />
</head>
```

Selectors

*	All elements
tag	All tag elements
tag *	All elements within tag
tag tag2	tag2 elements within tag
tag, tag2	All tag and tag2 elements
tag > tag2	tag2 is a child of tag
tag + tag2	tag2 preceded by tag
.class	Elements with class 'class'
tag.class	All tags with class 'class'
#id	Element with id 'id'
tag#id	Tag with id 'id'

Box Model

TOP

BORDER

WIDTH

LEFT

HEIGHT

CONTENT

RIGHT

PADDING
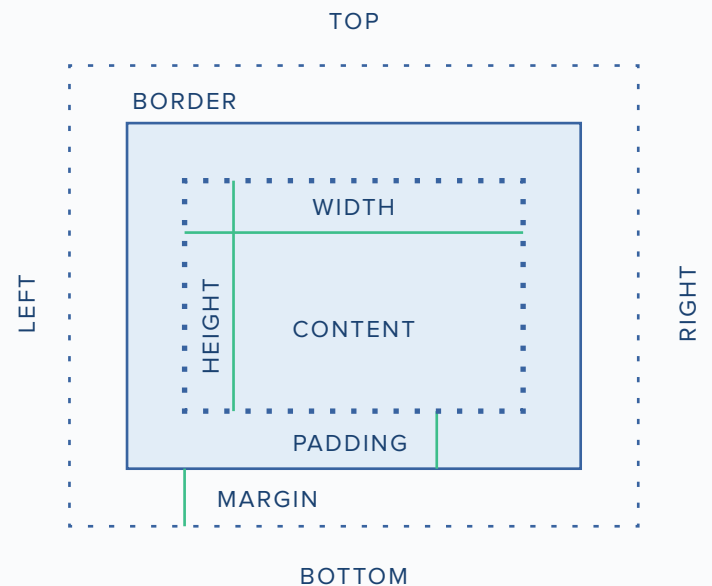
MARGIN

BOTTOM

Boxes

margin	margin-top margin-right margin-bottom margin-left
padding	padding-top padding-right padding-bottom padding-left
border	border-top border-right border-bottom border-left
border-color	border-top-color border-right-color border-bottom-color border-left-color
border-style	border-top-style border-right-style border-bottom-style border-left-style
border-width	border-top-width border-right-width border-bottom-width border-left-width

Pseudo-selectors

:active	Adds style to active element
:after	Adds content after element
:before	Ads content before element
:first-child	Adds style to first child
:first-letter	Adds style to first character
:first-line	Adds style to first line
:focus	Adds style to focused element
:hover	Adds style when mouse is over
:link	Adds style to unvisited link
:visited	Adds style to visited link

Text

font-family	Specifies the font family
font-size	Specifies the font size
font-style	normal	italic	oblique	inherit
font-variant	normal	small-caps	inherit
font-weight	normal	bold	bolder	lighter	int (100- 900)	inherit
color	Sets the color of text
line-height	normal	int	%	inherit
text-align	left	right	center	justify	inherit
text-decoration	none	underline	overline	line-through	blink	inherit
text-indent	int	%	inherit
text-transform	none	capitalize	uppercase	lowercase	inherit
vertical-align	int	%	baseline	sub	super	top	text-top middle	bottom	text-bot-tom	inherit
white-space	normal	nowrap	pre	pre-line	pre-wrap	inherit
word-spacing	normal	length	inherit

Size and colors

Relative sizes	em	rem	ex	ch vw	vh	vmin	vmax	%
Absolute sizes	cm	mm	in	px	pt	pc
Colors	Hex #ff00ff RGB rgb(255,0,255)

Positioning

position	absolute	fixed	relative	static	inherit
float	left	right	none	inherit
top, right, bottom, left	Sets the offset from the edge
clear	left	right	both	none	inherit I fixed the document now
display	Specifies element placing in the document flow
overflow	visible	hidden	scroll	auto	inherit
visibility	visible	hidden	collapse	inherit
z-index	auto	int	inherit

Dimensions

height	auto	int	%	inherit
max-height	none	int	%	inherit
max-height	none	int	%	inherit
max-width	none	int	%	inherit
min-height	int	%	inherit
min-width	int	%	inherit
width	auto	int	%	inherit

Other

background	Format: background (color) (image) (repeat) (position)
cursor	Set the type of cursor
quotes	Set type of quotation marks

CSS Cheat Sheet

Selectors

div	all DIV tags
div, span	all DIV tags and all SPAN tags
div span	all SPAN tags inside DIVs
#content	element with ID "content"
.box	all elements with CLASS "box"
ul#box	UL tag with ID "box"
span.box	all SPAN tags with CLASS "box"
*	all elements
#box *	all elements inside #box
a:link, a:active, a:visited	links in normal state, in clicked state, and in visited state
a:hover	link with mouse over it
div > span	all SPANs one-level deep in a DIV

Box Model
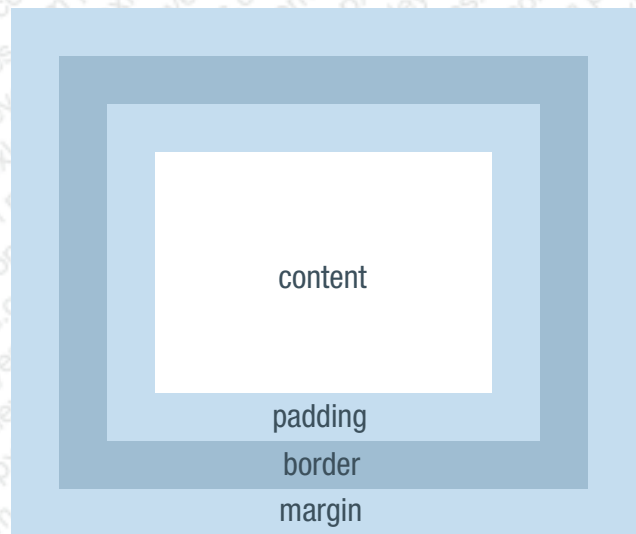
Positioning

position	places elements on screen, e.g. absolute, fixed, relative
float	stacks elements horizontally in a particular direction, e.g. left
top, left, right, bottom	specifies the offsets used in absolute, fixed, and relative positions, e.g. top:10px;left:10px
display	sets how the element is placed in the doc flow, e.g. block, inline, none
z-index	sets the stacking order of elements, e.g. z-index of 1 is below z-index of 2
overflow	sets what happens to content outside of container, e.g. auto, hidden

Text

font-family	font used, e.g. Helvetica, Arial
font-size	text size, e.g. 60px, 3em
color	text color, e.g. #000, #abcdef
font-weight	how bold the text is, e.g. bold
font-style	what style the text is, e.g. italic
text-decoration	sets a variety of effects on text, e.g. underline, overline, none
text-align	how text is aligned, e.g. center
line-height	spacing between lines, e.g. 2em
letter-spacing	spacing between letters, e.g. 5px
text-indent	indent of the first line, e.g. 2em
text-transform	applies formatting to text, e.g. upper-case, lowercase, capitalize
vertical-align	align relative to baseline, e.g. text-top

Borders and Lists

border	sets border style for all borders, in the format: border: (solid, dashed, dotted, double) (width) (color), e.g. border: solid 1px #000
border-top border-bottom border-left border-right	sets border style for a specific border (same property syntax used for padding and margin, e.g. margin-left)
list-style-type	sets style of bullets, e.g. square
list-style-position	sets how text wraps when bulleted, e.g. outside, inside
list-style-image	sets an image for a bullet, e.g. list-style-image:url(bullet.png)

Everything Else

background	sets background of an element, in the format: background: (color) (image) (repeat) (position), e.g. background: #000 url(bg.png) repeat-x top left
cursor	sets shape of cursor, e.g. pointer
outline	a border drawn around an element that doesn't affect the box model
border-collapse	sets how borders within tables behave, e.g. collapse
clear	sets on what side a new line starts in relation to nearby floated elements, e.g. left, right, both

Always write <!doctype html> in your files!

RGB Colour Codes

Web-safe Colours

#000000	#330000	#660000	#990000	#CC0000	#FF0000
#003300	#333300	#663300	#993300	#CC3300	#FF3300
#006600	#336600	#666600	#996600	#CC6600	#FF6600
#009900	#339900	#669900	#999900	#CC9900	#FF9900
#00CC00	#33CC00	#66CC00	#99CC00	#CCCC00	#FFCC00
#00FF00	#33FF00	#66FF00	#99FF00	#CCFF00	#FFFF00
#000033	#330033	#660033	#990033	#CC0033	#FF0033
#003333	#333333	#663333	#993333	#CC3333	#FF3333
#006633	#336633	#666633	#996633	#CC6633	#FF6633
#009933	#339933	#669933	#999933	#CC9933	#FF9933
#00CC33	#33CC33	#66CC33	#99CC33	#CCCC33	#FFCC33
#00FF33	#33FF33	#66FF33	#99FF33	#CCFF33	#FFFF33
#000066	#330066	#660066	#990066	#CC0066	#FF0066
#003366	#333366	#663366	#993366	#CC3366	#FF3366
#006666	#336666	#666666	#996666	#CC6666	#FF6666
#009966	#339966	#669966	#999966	#CC9966	#FF9966
#00CC66	#33CC66	#66CC66	#99CC66	#CCCC66	#FFCC66
#00FF66	#33FF66	#66FF66	#99FF66	#CCFF66	#FFFF66
#000099	#330099	#660099	#990099	#CC0099	#FF0099
#003399	#333399	#663399	#993399	#CC3399	#FF3399
#006699	#336699	#666699	#996699	#CC6699	#FF6699
#009999	#339999	#669999	#999999	#CC9999	#FF9999
#00CC99	#33CC99	#66CC99	#99CC99	#CCCC99	#FFCC99
#00FF99	#33FF99	#66FF99	#99FF99	#CCFF99	#FFFF99
#0000CC	#3300CC	#6600CC	#9900CC	#CC00CC	#FF00CC
#0033CC	#3333CC	#6633CC	#9933CC	#CC33CC	#FF33CC
#0066CC	#3366CC	#6666CC	#9966CC	#CC66CC	#FF66CC
#0099CC	#3399CC	#6699CC	#9999CC	#CC99CC	#FF99CC
#00CCCC	#33CCCC	#66CCCC	#99CCCC	#CCCCCC	#FFCCCC
#00FFCC	#33FFCC	#66FFCC	#99FFCC	#CCFFCC	#FFFFCC
#0000FF	#3300FF	#6600FF	#9900FF	#CC00FF	#FF00FF
#0033FF	#3333FF	#6633FF	#9933FF	#CC33FF	#FF33FF
#0066FF	#3366FF	#6666FF	#9966FF	#CC66FF	#FF66FF
#0099FF	#3399FF	#6699FF	#9999FF	#CC99FF	#FF99FF
#00CCFF	#33CCFF	#66CCFF	#99CCFF	#CCCCFF	#FFCCFF
#00FFFF	#33FFFF	#66FFFF	#99FFFF	#CCFFFF	#FFFFFF

Single-channel Gradients

#110000	#001100	#000011	#110011
#220000	#002200	#000022	#220033
#330000	#003300	#000033	#330033
#440000	#004400	#000044	#440044
#550000	#005500	#000055	#550055
#660000	#006600	#000066	#660066
#770000	#007700	#000077	#770077
#880000	#008800	#000088	#880088
#990000	#009900	#000099	#990099
#AA0000	#00AA00	#0000AA	#AA00AA
#BB0000	#00BB00	#0000BB	#BB00BB
#CC0000	#00CC00	#0000CC	#CC00CC
#DD0000	#00DD00	#0000DD	#DD00DD
#EE0000	#00EE00	#0000EE	#EE00EE
#FF0000	#00FF00	#0000FF	#FF00FF
#111100	#001111		
#222200	#002222		
#333300	#003333		
#444400	#004444		
#555500	#005555		
#666600	#006666		
#777700	#007777		
#888800	#008888		
#999900	#009999		
#AAAA00	#00AAAA		
#BBBB00	#00BBBB		
#CCCC00	#00CCCC		
#DDDD00	#00DDDD		
#EEEE00	#00EEEE		
#FFFF00	#00FFFF		

HTML Named Colours

Name	Hex	Name	Hex	Name	Hex	Name	Hex
Black	#000000	Maroon	#800000	Green	#008000	Navy	#000080
Silver	#C0C0C0	Red	#FF0000	Lime	#00FF00	Blue	#0000FF
Gray	#808080	Purple	#800080	Olive	#808000	Teal	#008080
White	#FFFFFF	Fuchsia	#FF00FF	Yellow	#FFFF00	Aqua	#00FFFF

Hex - Dec Conversion

Hex	Dec	Hex	Dec
FF	255	77	119
EE	238	66	102
DD	221	55	85
CC	204	44	68
BB	187	33	51
AA	170	22	34
99	153	11	17
88	136	00	00

HTML Character Entities Cheat Sheet
by Dave Child (DaveChild) via cheatography.com/1/cs/15/

HTML Character Entities 1		
 		Space
!	!	Exclamation mark
"	"	Quotation mark
#	#	Pound / hash
$	$	Dollar sign
%	%	Percent sign
&	&	Ampersand
'	`	Apostrophe
(	(	Left bracket
)	)	Right bracket
*	*	Asterisk
+	+	Plus
,	,	Comma
-	-	Hyphen
.	.	Period
/	/	Forward Slash
0	0	Zero
1	1	One
2	2	Two
3	3	Three
4	4	Four
5	5	Five
6	6	Six
7	7	Seven
8	8	Eight
9	9	Nine
:	:	Colon
;	;	Semicolon
<	<	Less than
=	=	Equals
>	>	Greater than
?	?	Question mark
@	@	"At" symbol

HTML Character Entities 1 (cont)		
A	A	Upper case A
B	B	Upper case B
C	C	Upper case C
D	D	Upper case D
E	E	Upper case E
F	F	Upper case F
G	G	Upper case G
H	H	Upper case H
I	I	Upper case I
J	J	Upper case J
K	K	Upper case K
L	L	Upper case L
M	M	Upper case M
N	N	Upper case N
O	O	Upper case O
P	P	Upper case P
Q	Q	Upper case Q
R	R	Upper case R
S	S	Upper case S
T	T	Upper case T
U	U	Upper case U
V	V	Upper case V
W	W	Upper case W
X	X	Upper case X
Y	Y	Upper case Y
Z	Z	Upper case Z
[	[	Left square bracket
\	\	Backslash
]	]	Right square bracket
^	^	Caret
_	_	Underscore
`	`	Single quote / backtick

HTML Character Entities 2		
a	a	Lower case a
b	b	Lower case b
c	c	Lower case c
d	d	Lower case d
e	e	Lower case e
f	f	Lower case f
g	g	Lower case g
h	h	Lower case h
i	i	Lower case i
j	j	Lower case j
k	k	Lower case k
l	l	Lower case l
m	m	Lower case m
n	n	Lower case n
o	o	Lower case o
p	p	Lower case p
q	q	Lower case q
r	r	Lower case r
s	s	Lower case s
t	t	Lower case t
u	u	Lower case u
v	v	Lower case v
w	w	Lower case w
x	x	Lower case x
y	y	Lower case y
z	z	Lower case z
{	{	Left curly brace
|			Pipe
}	}	Right curly brace
~	~	Tilde
&#127;		Delete
		Non-breaking space
¡	¡	Inverted exclamation mark

HTML Character Entities 2 (cont)

¢	¢	Cent symbol
£	£	Pound symbol
¤	¤	Currency symbol
¥	¥	Yen symbol
¦	¦	Broken pipe
§	§	Section symbol
¨	¨	Umlaut
©	©	Copyright
ª	ª	Feminine ordinal
«	«	Double-left arrow
¬	¬	"Not" symbol
­		Soft hyphen
®	®	Registered
¯	¯	Overline
°	°	Degree symbol
±	±	Plus or minus
²	²	Squared
³	³	Cubed
´	´	Acute accent
µ	µ	Micro symbol
¶	¶	Paragraph symbol
·	·	Middle dot
¸	¸	Cedilla
¹	¹	Superscript 1
º	º	Masculine ordinal
»	»	Double-right arrow
¼	¼	One quarter
½	½	One half

HTML Character Entities 3

¾	¾	Three quarters
¿	¿	Inverted question mark
À	À	A with grave
Á	Á	A with acute
Â	Â	A with circumflex
Ã	Ã	A with tilde
Ä	Ä	A with umlaut
Å	Å	A with ring
Æ	Æ	AE
Ç	Ç	C with cedilla
È	È	E with grave
É	É	E with acute
Ê	Ê	E with circumflex
Ë	Ë	E with umlaut
Ì	Ì	I with grave
Í	Í	I with acute
Î	Î	I with circumflex
Ï	Ï	I with umlaut
Ð	Ð	ETH
Ñ	Ñ	N with tilde
Ò	Ò	O with grave
Ó	Ó	O with acute
Ô	Ô	O with circumflex
Õ	Õ	O with tilde
Ö	Ö	O with umlaut
×	×	Multiply symbol
Ø	Ø	O with slash
Ù	Ù	U with grave
Ú	Ú	U with acute
Û	Û	U with circumflex
Ü	Ü	U with umlaut
Ý	Ý	Y with acute
Þ	Þ	THORN

HTML Character Entities 3 (cont)

ß	ß	Sharp S
à	à	a with grave
á	á	a with acute
â	â	a with circumflex
ã	ã	a with tilde
ä	ä	a with umlaut
å	å	a with ring
æ	æ	ae
ç	ç	c with cedilla
è	è	e with grave
é	é	e with acute
ê	ê	e with circumflex
ë	ë	e with umlaut
ì	ì	i with grave
í	í	i with acute
î	î	i with circumflex
ï	ï	i with umlaut
ð	ð	ETH
ñ	ñ	n with tilde
ò	ò	o with grave
ó	ó	o with acute
ô	ô	o with circumflex
õ	õ	o with tilde
ö	ö	o with umlaut
÷	÷	Divide symbol
ø	ø	o with slash
ù	ù	u with grave
ú	ú	u with acute
û	û	u with circumflex
ü	ü	u with umlaut
ý	ý	y with acute
þ	þ	THORN
ÿ	ÿ	y with umlaut