

## Non-ASCII Glyphs on the Web

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Description	Name	Glyph	Numeric	Glyph
no-break space = non-breaking space	&nbsp;		&#160;	
inverted exclamation mark	&iexcl;	¡	&#161;	¡
cent sign	&cent;	¢	&#162;	¢
pound sign	&pound;	£	&#163;	£
currency sign	&curren;	₠	&#164;	₠
yen sign = yuan sign	&yen;	¥	&#165;	¥
broken bar = broken vertical bar	&brvbar;		&#166;	
section sign	&sect;	§	&#167;	§
diaeresis = spacing diaeresis	&uml;	¨	&#168;	¨
copyright sign	&copy;	©	&#169;	©
feminine ordinal indicator	&ordf;	ª	&#170;	ª
left-pointing double angle quotation mark	&laquo;	«	&#171;	«
not sign = discretionary hyphen	&not;	¬	&#172;	¬
soft hyphen = discretionary hyphen	&shy;		&#173;	
registered sign = registered trade mark sign	&reg;	®	&#174;	®
macron = spacing macron = overline	&macr;	—	&#175;	—
degree sign	&deg;	°	&#176;	°
plus-minus sign = plus-or-minus sign	&plusmn;	±	&#177;	±
superscript two = superscript digit two	&sup2;	²	&#178;	²

superscript three = superscript digit three	&sup3;	³	&#179;	³
acute accent = spacing acute	&acute;	´	&#180;	´
micro sign	&micro;	μ	&#181;	μ
pilcrow sign = paragraph sign	&para;	¶	&#182;	¶
middle dot = Georgian comma	&middot;	•	&#183;	•
cedilla = spacing cedilla	&cedil;	¸	&#184;	¸
superscript one = superscript digit one	&sup1;	¹	&#185;	¹
masculine ordinal indicator	&ordm;	º	&#186;	º
right-pointing double angle quotation mark	&raquo;	»	&#187;	»
vulgar fraction one quarter	&frac14;	¼	&#188;	¼
vulgar fraction one half	&frac12;	½	&#189;	½
vulgar fraction three quarters	&frac34;	¾	&#190;	¾
inverted question mark	&iquest;	¿	&#191;	¿
latin capital letter A with grave	&Agrave;	À	&#192;	À
latin capital letter A with acute	&Aacute;	Á	&#193;	Á
latin capital letter A with circumflex	&Acirc;	Â	&#194;	Â
latin capital letter A with tilde	&Atilde;	Ã	&#195;	Ã
latin capital letter A with diaeresis	&Auml;	Ä	&#196;	Ä
latin capital letter A with ring above	&Aring;	Å	&#197;	Å
latin capital letter AE	&AElig;	Æ	&#198;	Æ
latin capital letter C with cedilla	&Ccedil;	Ç	&#199;	Ç
latin capital letter E with grave	&Egrave;		&#200;	

		È		È
latin capital letter E with acute	&Eacute;	É	&#201;	É
latin capital letter E with circumflex	&Ecirc;	Ê	&#202;	Ê
latin capital letter E with diaeresis	&Euml;	Ë	&#203;	Ë
latin capital letter I with grave	&Igrave;	Ì	&#204;	Ì
latin capital letter I with acute	&Iacute;	Í	&#205;	Í
latin capital letter I with circumflex	&Icirc;	Î	&#206;	Î
latin capital letter I with diaeresis	&Iuml;	Ï	&#207;	Ï
latin capital letter ETH	&ETH;	Ð	&#208;	Ð
latin capital letter N with tilde	&Ntilde;	Ñ	&#209;	Ñ
latin capital letter O with grave	&Ograve;	Ò	&#210;	Ò
latin capital letter O with acute	&Oacute;	Ó	&#211;	Ó
latin capital letter O with circumflex	&Ocirc;	Ô	&#212;	Ô
latin capital letter O with tilde	&Otilde;	Õ	&#213;	Õ
latin capital letter O with diaeresis	&Ouml;	Ö	&#214;	Ö
multiplication sign	&times;	×	&#215;	×
latin capital letter O with stroke	&Oslash;	Ø	&#216;	Ø
latin capital letter U with grave	&Ugrave;	Ù	&#217;	Ù
latin capital letter U with acute	&Uacute;	Ú	&#218;	Ú
latin capital letter U with circumflex	&Ucirc;	Û	&#219;	Û
latin capital letter U with diaeresis	&Uuml;	Ü	&#220;	Ü
latin capital letter Y with acute	&Yacute;		&#221;	

		Ý		Ý
latin capital letter THORN	&THORN;	þ	&#222;	þ
latin small letter sharp s = ess-zed	&szlig;	ß	&#223;	ß
latin small letter a with grave	&agrave;	à	&#224;	à
latin small letter a with acute	&aacute;	á	&#225;	á
latin small letter a with circumflex	&acirc;	â	&#226;	â
latin small letter a with tilde	&atilde;	ã	&#227;	ã
latin small letter a with diaeresis	&auml;	ä	&#228;	ä
latin small letter a with ring above	&aring;	å	&#229;	å
latin small letter ae	&aelig;	æ	&#230;	æ
latin small letter c with cedilla	&ccedil;	ç	&#231;	ç
latin small letter e with grave	&egrave;	è	&#232;	è
latin small letter e with acute	&eacute;	é	&#233;	é
latin small letter e with circumflex	&ecirc;	ê	&#234;	ê
latin small letter e with diaeresis	&euml;	ë	&#235;	ë
latin small letter i with grave	&igrave;	ì	&#236;	ì
latin small letter i with acute	&iacute;	í	&#237;	í
latin small letter i with circumflex	&icirc;	î	&#238;	î
latin small letter i with diaeresis	&iuml;	ï	&#239;	ï
latin small letter eth	&eth;	ð	&#240;	ð
latin small letter n with tilde	&ntilde;	ñ	&#241;	ñ
latin small letter o with grave	&ograve;		&#242;	

		ò		ò
latin small letter o with acute	&oacute;	ó	&#243;	ó
latin small letter o with circumflex	&ocirc;	ô	&#244;	ô
latin small letter o with tilde	&otilde;	õ	&#245;	õ
latin small letter o with diaeresis	&ouml;	ö	&#246;	ö
division sign	&divide;	÷	&#247;	÷
latin small letter o with stroke	&oslash;	ø	&#248;	ø
latin small letter u with grave	&ugrave;	ù	&#249;	ù
latin small letter u with acute	&uacute;	ú	&#250;	ú
latin small letter u with circumflex	&ucirc;	û	&#251;	û
latin small letter u with diaeresis	&uuml;	ü	&#252;	ü
latin small letter y with acute	&yacute;	ý	&#253;	ý
latin small letter thorn with	&thorn;	þ	&#254;	þ
latin small letter y with diaeresis	&yuml;	ÿ	&#255;	ÿ
latin small f with hook = function	&fnof;	<i>f</i>	&#402;	<i>f</i>
greek capital letter alpha	&Alpha;	Α	&#913;	Α
greek capital letter beta	&Beta;	Β	&#914;	Β
greek capital letter gamma	&Gamma;	Γ	&#915;	Γ
greek capital letter delta	&Delta;	Δ	&#916;	Δ
greek capital letter epsilon	&Epsilon;	Ε	&#917;	Ε
greek capital letter zeta	&Zeta;	Ζ	&#918;	Ζ
greek capital letter eta	&Eta;		&#919;	

		H		H
greek capital letter theta	&Theta;	Θ	&#920;	Θ
greek capital letter iota	&Iota;	Ι	&#921;	Ι
greek capital letter kappa	&Kappa;	Κ	&#922;	Κ
greek capital letter lambda	&Lambda;	Λ	&#923;	Λ
greek capital letter mu	&Mu;	Μ	&#924;	Μ
greek capital letter nu	&Nu;	Ν	&#925;	Ν
greek capital letter xi	&Xi;	Ξ	&#926;	Ξ
greek capital letter omicron	&Omicron;	Ο	&#927;	Ο
greek capital letter pi	&Pi;	Π	&#928;	Π
greek capital letter rho	&Rho;	Ρ	&#929;	Ρ
greek capital letter sigma	&Sigma;	Σ	&#931;	Σ
greek capital letter tau	&Tau;	Τ	&#932;	Τ
greek capital letter upsilon	&Upsilon;	Υ	&#933;	Υ
greek capital letter phi	&Phi;	Φ	&#934;	Φ
greek capital letter chi	&Chi;	Χ	&#935;	Χ
greek capital letter psi	&Psi;	Ψ	&#936;	Ψ
greek capital letter omega	&Omega;	Ω	&#937;	Ω
greek small letter alpha	&alpha;	α	&#945;	α
greek small letter beta	&beta;	β	&#946;	β
greek small letter gamma	&gamma;	γ	&#947;	γ
greek small letter delta	&delta;		&#948;	

		δ		δ
greek small letter epsilon	&epsilon;	ε	&#949;	ε
greek small letter zeta	&zeta;	ζ	&#950;	ζ
greek small letter eta	&eta;	η	&#951;	η
greek small letter theta	&theta;	θ	&#952;	θ
greek small letter iota	&iota;	ι	&#953;	ι
greek small letter kappa	&kappa;	κ	&#954;	κ
greek small letter lambda	&lambda;	λ	&#955;	λ
greek small letter mu	&mu;	μ	&#956;	μ
greek small letter nu	&nu;	ν	&#957;	ν
greek small letter xi	&xi;	ξ	&#958;	ξ
greek small letter omicron	&omicron;	ο	&#959;	ο
greek small letter pi	&pi;	π	&#960;	π
greek small letter rho	&rho;	ρ	&#961;	ρ
greek small letter final sigma	&sigmaf;	ς	&#962;	ς
greek small letter sigma	&sigma;	σ	&#963;	σ
greek small letter tau	&tau;	τ	&#964;	τ
greek small letter upsilon	&upsilon;	υ	&#965;	υ
greek small letter phi	&phi;	φ	&#966;	φ
greek small letter chi	&chi;	χ	&#967;	χ
greek small letter psi	&psi;	ψ	&#968;	ψ
greek small letter omega	&omega;		&#969;	

		Ω		Ω
greek small letter theta symbol	&thetasym;	ϑ	&#977;	ϑ
greek upsilon with hook symbol	&upsih;	Υ	&#978;	Υ
greek pi symbol	&piv;	ϖ	&#982;	ϖ
bullet = black small circle	&bull;	•	&#8226;	•
horizontal ellipsis = three dot leader	&hellip;	...	&#8230;	...
prime = minutes = feet	&prime;	'	&#8242;	'
double prime = seconds = inches	&Prime;	"	&#8243;	"
overline = spacing overscore	&oline;	—	&#8254;	—
fraction slash	&frasl;	/	&#8260;	/
script capital P = power set	&weierp;	℘	&#8472;	℘
blackletter capital I = imaginary part	&image;	ℑ	&#8465;	ℑ
blackletter capital R = real part symbol	&real;	℔	&#8476;	℔
trade mark sign	&trade;	™	&#8482;	™
alef symbol = first transfinite cardinal	&alefsym;	ℵ	&#8501;	ℵ
leftwards arrow	&larr;	←	&#8592;	←
upwards arrow	&uarr;	↑	&#8593;	↑
rightwards arrow	&rarr;	→	&#8594;	→
downwards arrow	&darr;	↓	&#8595;	↓
left right arrow	&harr;	↔	&#8596;	↔
downwards arrow with corner leftwards	&crarr;	↵	&#8629;	↵
leftwards double arrow	&lArr;		&#8656;	



		$\Leftarrow$		$\Leftarrow$
upwards double arrow	$\&uArr;$	$\Uparrow$	$\&\#8657;$	$\Uparrow$
rightwards double arrow	$\&rArr;$	$\Rightarrow$	$\&\#8658;$	$\Rightarrow$
downwards double arrow	$\&dArr;$	$\Downarrow$	$\&\#8659;$	$\Downarrow$
left right double arrow	$\&hArr;$	$\Leftrightarrow$	$\&\#8660;$	$\Leftrightarrow$
for all	$\&forall;$	$\forall$	$\&\#8704;$	$\forall$
partial differential	$\&part;$	$\partial$	$\&\#8706;$	$\partial$
there exists	$\&exist;$	$\exists$	$\&\#8707;$	$\exists$
empty set = null set = diameter	$\&empty;$	$\emptyset$	$\&\#8709;$	$\emptyset$
nabla = backward difference	$\&nabla;$	$\nabla$	$\&\#8711;$	$\nabla$
element of	$\&isin;$	$\in$	$\&\#8712;$	$\in$
not an element of	$\&notin;$	$\notin$	$\&\#8713;$	$\notin$
contains as member	$\&ni;$	$\ni$	$\&\#8715;$	$\ni$
n-ary product = product sign	$\&prod;$	$\prod$	$\&\#8719;$	$\prod$
n-ary sumation	$\&sum;$	$\sum$	$\&\#8721;$	$\sum$
minus sign	$\&minus;$	$-$	$\&\#8722;$	$-$
asterisk operator	$\&lowast;$	$*$	$\&\#8727;$	$*$
square root = radical sign	$\&radic;$	$\sqrt{\phantom{x}}$	$\&\#8730;$	$\sqrt{\phantom{x}}$
proportional to	$\&prop;$	$\propto$	$\&\#8733;$	$\propto$
infinity	$\&infin;$	$\infty$	$\&\#8734;$	$\infty$
angle	$\&ang;$	$\angle$	$\&\#8736;$	$\angle$

logical and = wedge	$\&\text{and};$	$\wedge$	$\&\#8743;$	$\wedge$
logical or = vee	$\&\text{or};$	$\vee$	$\&\#8744;$	$\vee$
intersection = cap	$\&\text{cap};$	$\cap$	$\&\#8745;$	$\cap$
union = cup	$\&\text{cup};$	$\cup$	$\&\#8746;$	$\cup$
integral	$\&\text{int};$	$\int$	$\&\#8747;$	$\int$
therefore	$\&\text{there4};$	$\therefore$	$\&\#8756;$	$\therefore$
tilde operator = varies with = similar to	$\&\text{sim};$	$\sim$	$\&\#8764;$	$\sim$
approximately equal to	$\&\text{cong};$	$\cong$	$\&\#8773;$	$\cong$
almost equal to = asymptotic to	$\&\text{asympt};$	$\approx$	$\&\#8776;$	$\approx$
not equal to	$\&\text{ne};$	$\neq$	$\&\#8800;$	$\neq$
identical to	$\&\text{equiv};$	$\equiv$	$\&\#8801;$	$\equiv$
less-than or equal to	$\&\text{le};$	$\leq$	$\&\#8804;$	$\leq$
greater-than or equal to	$\&\text{ge};$	$\geq$	$\&\#8805;$	$\geq$
subset of	$\&\text{sub};$	$\subset$	$\&\#8834;$	$\subset$
superset of	$\&\text{sup};$	$\supset$	$\&\#8835;$	$\supset$
not a subset of	$\&\text{nsup};$	$\not\subset$	$\&\#8836;$	$\not\subset$
subset of or equal to	$\&\text{sube};$	$\subseteq$	$\&\#8838;$	$\subseteq$
superset of or equal to	$\&\text{supe};$	$\supseteq$	$\&\#8839;$	$\supseteq$
circled plus = direct sum	$\&\text{oplus};$	$\oplus$	$\&\#8853;$	$\oplus$
circled times = vector product	$\&\text{otimes};$	$\otimes$	$\&\#8855;$	$\otimes$
up tack = orthogonal to = perpendicular	$\&\text{perp};$	$\perp$	$\&\#8869;$	$\perp$

dot operator	&sdot;	•	&#8901;	•
left ceiling = apl upstile	&lceil;	⌈	&#8968;	⌈
right ceiling	&rceil;	⌋	&#8969;	⌋
left floor = apl downstile	&lfloor;	⌊	&#8970;	⌊
right floor	&rfloor;	⌋	&#8971;	⌋
left-pointing angle bracket = bra	&lang;	⟨	&#9001;	⟨
right-pointing angle bracket = ket	&rang;	⟩	&#9002;	⟩
lozenge	&loz;	◇	&#9674;	◇
black spade suit	&spades;	♠	&#9824;	♠
black club suit = shamrock	&clubs;	♣	&#9827;	♣
black heart suit = valentine	&hearts;	♥	&#9829;	♥
black diamond suit	&diams;	♦	&#9830;	♦
quotation mark = APL quote	&quot;	"	&#34;	"
ampersand	&amp;	&	&#38;	&
less-than sign	&lt;	<	&#60;	<
greater-than sign	&gt;	>	&#62;	>
latin capital ligature OE	&OElig;	Œ	&#338;	Œ
latin small ligature oe	&oelig;	œ	&#339;	œ
latin capital letter S with caron	&Scaron;	Š	&#352;	Š
latin small letter s with caron	&scaron;	š	&#353;	š
latin capital letter Y with diaeresis	&Yuml;	ÿ	&#376;	ÿ
modifier letter circumflex accent	&circ;		&#710;	

		^		^
small tilde	&tilde;	~	&#732;	~
en space	&ensp;		&#8194;	
em space	&emsp;		&#8195;	
thin space	&thinsp;		&#8201;	
zero width non-joiner	&zwnj;		&#8204;	
zero width joiner	&zwj;		&#8205;	
left-to-right mark	&lrm;		&#8206;	
right-to-left mark	&rlm;		&#8207;	
en dash	&ndash;	—	&#8211;	—
em dash	&mdash;	——	&#8212;	——
left single quotation mark	&lsquo;	‘	&#8216;	‘
right single quotation mark	&rsquo;	’	&#8217;	’
single low-9 quotation mark	&sbquo;	‚	&#8218;	‚
left double quotation mark	&ldquo;	“	&#8220;	“
right double quotation mark	&rdquo;	”	&#8221;	”
double low-9 quotation mark	&bdquo;	„	&#8222;	„
dagger	&dagger;	†	&#8224;	†
double dagger	&Dagger;	‡	&#8225;	‡
per mille sign	&permil;	‰	&#8240;	‰
single left-pointing angle quotation mark	&lsaquo;	◀	&#8249;	◀
single right-pointing angle quotation mark	&rsaquo;		&#8250;	

		›		›
euro sign	&euro;	€	&#8364;	€

[Back](#) to ZBEN’s home page.