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# [Basic Latin](http://www.alanwood.net/unicode/basic_latin.html) : Unicode U+0000 – U+007F (0–127)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Encoded** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61472 | <font face="Symbol">&#32;</font> | space | - | &#32;  is  ‘ ’ | Space | WGL4 |
|  | &#61473 | <font face="Symbol">!</font> | exclam | - | &#33;  is  ! | Exclamation mark | WGL4 |
|  | &#61475 | <font face="Symbol">#</font> | numbersign | - | &#35;  is  # | Number sign | WGL4 |
|  | &#61477 | <font face="Symbol">%</font> | percent | - | &#37;  is  % | Percent sign | WGL4 |
|  | &#61478 | <font face="Symbol">&#38;</font> | ampersand | &amp;  is  & | &#38;  is  & | Ampersand | WGL4 |
|  | &#61480 | <font face="Symbol">(</font> | parenleft | - | &#40;  is  ( | Left parenthesis | WGL4 |
|  | &#61481 | <font face="Symbol">)</font> | parenright | - | &#41;  is  ) | Right parenthesis | WGL4 |
|  | &#61483 | <font face="Symbol">+</font> | plus | - | &#43;  is  + | Plus sign | WGL4 |
|  | &#61484 | <font face="Symbol">,</font> | comma | - | &#44;  is  , | Comma | WGL4 |
|  | &#61486 | <font face="Symbol">.</font> | period | - | &#46;  is  . | Full stop | WGL4 |
|  | &#61487 | <font face="Symbol">/</font> | slash | - | &#47;  is  / | Solidus | WGL4 |
|  | &#61488 | <font face="Symbol">0</font> | zero | - | &#48;  is  0 | Digit zero | WGL4 |
|  | &#61489 | <font face="Symbol">1</font> | one | - | &#49;  is  1 | Digit one | WGL4 |
|  | &#61490 | <font face="Symbol">2</font> | two | - | &#50;  is  2 | Digit two | WGL4 |
|  | &#61491 | <font face="Symbol">3</font> | three | - | &#51;  is  3 | Digit three | WGL4 |
|  | &#61492 | <font face="Symbol">4</font> | four | - | &#52;  is  4 | Digit four | WGL4 |
|  | &#61493 | <font face="Symbol">5</font> | five | - | &#53;  is  5 | Digit five | WGL4 |
|  | &#61494 | <font face="Symbol">6</font> | six | - | &#54;  is  6 | Digit six | WGL4 |
|  | &#61495 | <font face="Symbol">7</font> | seven | - | &#55;  is  7 | Digit seven | WGL4 |
|  | &#61496 | <font face="Symbol">8</font> | eight | - | &#56;  is  8 | Digit eight | WGL4 |
|  | &#61497 | <font face="Symbol">9</font> | nine | - | &#57;  is  9 | Digit nine | WGL4 |
|  | &#61498 | <font face="Symbol">:</font> | colon | - | &#58;  is  : | Colon | WGL4 |
|  | &#61499 | <font face="Symbol">;</font> | semicolon | - | &#59;  is  ; | Semicolon | WGL4 |
|  | &#61500 | <font face="Symbol">&#60;</font> | less | &lt;  is  < | &#60;  is  < | Less-than sign | WGL4 |
|  | &#61501 | <font face="Symbol">=</font> | equal | - | &#61;  is  = | Equals sign | WGL4 |
|  | &#61502 | <font face="Symbol">&#62;</font> | greater | &gt;  is  > | &#62;  is  > | Greater-than sign | WGL4 |
|  | &#61503 | <font face="Symbol">?</font> | question | - | &#63;  is  ? | Question mark | WGL4 |
|  | &#61531 | <font face="Symbol">[</font> | bracketleft | - | &#91;  is  [ | Left square bracket | WGL4 |
|  | &#61533 | <font face="Symbol">]</font> | bracketright | - | &#93;  is  ] | Right square bracket | WGL4 |
|  | &#61535 | <font face="Symbol">\_</font> | underscore | - | &#95;  is  \_ | Low line | WGL4 |
|  | &#61563 | <font face="Symbol">{</font> | braceleft | - | &#123;  is  { | Left curly bracket | WGL4 |
|  | &#61564 | <font face="Symbol">|</font> | bar | - | &#124;  is  | | Vertical line | WGL4 |
|  | &#61565 | <font face="Symbol">}</font> | braceright | - | &#125;  is  } | Right curly bracket | WGL4 |

# 

# [Latin-1 Supplement](http://www.alanwood.net/unicode/latin_1_supplement.html) : Unicode U+0080 – U+00FF (128–255)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference(encoded)** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **Key combination** |
|  | &#61616 | <font face="Symbol">&#176;</font> | degree | &deg;  is  ° | &#176;  is  ° | Degree sign | Alt+0176 |
|  | &#61617 | <font face="Symbol">&#177;</font> | plusminus | &plusmn;  is  ± | &#177;  is  ± | Plus-minus sign | Alt+0177 |
|  | &#61620 | <font face="Symbol">&#180;</font> | multiply | &times;  is  × | &#215;  is  × | Multiplication sign | ? |
|  | &#61624 | <font face="Symbol">&#184;</font> | divide | &divide;  is  ÷ | &#247;  is  ÷ | Division sign |  |
|  | &#61650 | <font face="Symbol">&#210;</font> | registerserif | &reg;  is  ® | &#174;  is  ® | Registered sign (serif) |  |
|  | &#61651 | <font face="Symbol">&#211;</font> | copyrightserif | &copy;  is  © | &#169;  is  © | Copyright sign (serif) |  |
|  | &#61656 | <font face="Symbol">&#216;</font> | logicalnot | &not;  is  ¬ | &#172;  is  ¬ | Not sign |  |
|  | &#61666 | <font face="Symbol">&#226;</font> | registersans | &reg;  is  ® | &#174;  is  ® | Registered sign (sans-serif) |  |
|  | &#61667 | <font face="Symbol">&#227;</font> | copyrightsans | &copy;  is  © | &#169;  is  © | Copyright sign (sans-serif) |  |

# [Latin Extended-B](http://www.alanwood.net/unicode/latin_extended_b.html) : Unicode U+0180 – U+024F (384–591)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61606; | <font face="Symbol">&#166;</font> | florin | &fnof;  is  ƒ | &#402;  is  ƒ | Latin small letter f with hook | WGL4 |

# [Greek](http://www.alanwood.net/unicode/greek.html) : Unicode U+0370 – U+03FF (880–1023)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61505 | <font face="Symbol">A</font> | Alpha | &Alpha;  is  Α | &#913;  is  Α | Greek capital letter alpha | WGL4 |
|  | &#61506 | <font face="Symbol">B</font> | Beta | &Beta;  is  Β | &#914;  is  Β | Greek capital letter beta | WGL4 |
|  | &#61511 | <font face="Symbol">G</font> | Gamma | &Gamma;  is  Γ | &#915;  is  Γ | Greek capital letter gamma | WGL4 |
|  | &#61508 | <font face="Symbol">D</font> | Delta | &Delta;  is  Δ | &#916;  is  Δ | Greek capital letter delta | WGL4 |
|  | &#61509 | <font face="Symbol">E</font> | Epsilon | &Epsilon;  is  Ε | &#917;  is  Ε | Greek capital letter epsilon | WGL4 |
|  | &#61530 | <font face="Symbol">Z</font> | Zeta | &Zeta;  is  Ζ | &#918;  is  Ζ | Greek capital letter zeta | WGL4 |
|  | &#61512 | <font face="Symbol">H</font> | Eta | &Eta;  is  Η | &#919;  is  Η | Greek capital letter eta | WGL4 |
|  | &#61521 | <font face="Symbol">Q</font> | Theta | &Theta;  is  Θ | &#920;  is  Θ | Greek capital letter theta | WGL4 |
|  | &#61513 | <font face="Symbol">I</font> | Iota | &Iota;  is  Ι | &#921;  is  Ι | Greek capital letter iota | WGL4 |
|  | &#61515 | <font face="Symbol">K</font> | Kappa | &Kappa;  is  Κ | &#922;  is  Κ | Greek capital letter kappa | WGL4 |
|  | &#61516 | <font face="Symbol">L</font> | Lambda | &Lambda;  is  Λ | &#923;  is  Λ | Greek capital letter lamda | WGL4 |
|  | &#61517 | <font face="Symbol">M</font> | Mu | &Mu;  is  Μ | &#924;  is  Μ | Greek capital letter mu | WGL4 |
|  | &#61518 | <font face="Symbol">N</font> | Nu | &Nu;  is  Ν | &#925;  is  Ν | Greek capital letter nu | WGL4 |
|  | &#61528 | <font face="Symbol">X</font> | Xi | &Xi;  is  Ξ | &#926;  is  Ξ | Greek capital letter xi | WGL4 |
|  | &#61519 | <font face="Symbol">O</font> | Omicron | &Omicron;  is  Ο | &#927;  is  Ο | Greek capital letter omicron | WGL4 |
|  | &#61520 | <font face="Symbol">P</font> | Pi | &Pi;  is  Π | &#928;  is  Π | Greek capital letter pi | WGL4 |
|  | &#61522 | <font face="Symbol">R</font> | Rho | &Rho;  is  Ρ | &#929;  is  Ρ | Greek capital letter rho | WGL4 |
|  | &#61523 | <font face="Symbol">S</font> | Sigma | &Sigma;  is  Σ | &#931;  is  Σ | Greek capital letter sigma | WGL4 |
|  | &#61524 | <font face="Symbol">T</font> | Tau | &Tau;  is  Τ | &#932;  is  Τ | Greek capital letter tau | WGL4 |
|  | &#61525 | <font face="Symbol">U</font> | Upsilon | &Upsilon;  is  Υ | &#933;  is  Υ | Greek capital letter upsilon | WGL4 |
|  | &#61510 | <font face="Symbol">F</font> | Phi | &Phi;  is  Φ | &#934;  is  Φ | Greek capital letter phi | WGL4 |
|  | &#61507 | <font face="Symbol">C</font> | Chi | &Chi;  is  Χ | &#935;  is  Χ | Greek capital letter chi | WGL4 |
|  | &#61529 | <font face="Symbol">Y</font> | Psi | &Psi;  is  Ψ | &#936;  is  Ψ | Greek capital letter psi | WGL4 |
|  | &#61527 | <font face="Symbol">W</font> | Omega | &Omega;  is  Ω | &#937;  is  Ω | Greek capital letter omega | WGL4 |
|  | &#61537 | <font face="Symbol">a</font> | alpha | &alpha;  is  α | &#945;  is  α | Greek small letter alpha | WGL4 |
|  | &#61538 | <font face="Symbol">b</font> | beta | &beta;  is  β | &#946;  is  β | Greek small letter beta | WGL4 |
|  | &#61543 | <font face="Symbol">g</font> | gamma | &gamma;  is  γ | &#947;  is  γ | Greek small letter gamma | WGL4 |
|  | &#61540 | <font face="Symbol">d</font> | delta | &delta;  is  δ | &#948;  is  δ | Greek small letter delta | WGL4 |
|  | &#61541 | <font face="Symbol">e</font> | epsilon | &epsilon;  is  ε | &#949;  is  ε | Greek small letter epsilon | WGL4 |
|  | &#61562 | <font face="Symbol">z</font> | zeta | &zeta;  is  ζ | &#950;  is  ζ | Greek small letter zeta | WGL4 |
|  | &#61544 | <font face="Symbol">h</font> | eta | &eta;  is  η | &#951;  is  η | Greek small letter eta | WGL4 |
|  | &#61553 | <font face="Symbol">q</font> | theta | &theta;  is  θ | &#952;  is  θ | Greek small letter theta | WGL4 |
|  | &#61545 | <font face="Symbol">i</font> | iota | &iota;  is  ι | &#953;  is  ι | Greek small letter iota | WGL4 |
|  | &#61547 | <font face="Symbol">k</font> | kappa | &kappa;  is  κ | &#954;  is  κ | Greek small letter kappa | WGL4 |
|  | &#61548 | <font face="Symbol">l</font> | lambda | &lambda;  is  λ | &#955;  is  λ | Greek small letter lamda | WGL4 |
|  | &#61549 | <font face="Symbol">m</font> | mu | &mu;  is  μ | &#956;  is  μ | Greek small letter mu | WGL4 |
|  | &#61550 | <font face="Symbol">n</font> | nu | &nu;  is  ν | &#957;  is  ν | Greek small letter nu | WGL4 |
|  | &#61560 | <font face="Symbol">x</font> | xi | &xi;  is  ξ | &#958;  is  ξ | Greek small letter xi | WGL4 |
|  | &#61551 | <font face="Symbol">o</font> | omicron | &omicron;  is  ο | &#959;  is  ο | Greek small letter omicron | WGL4 |
|  | &#61552 | <font face="Symbol">p</font> | pi | &pi;  is  π | &#960;  is  π | Greek small letter pi | WGL4 |
|  | &#61554 | <font face="Symbol">r</font> | rho | &rho;  is  ρ | &#961;  is  ρ | Greek small letter rho | WGL4 |
|  | &#61526 | <font face="Symbol">V</font> | sigma1 | &sigmaf;  is  ς | &#962;  is  ς | Greek small letter final sigma | WGL4 |
|  | &#61555 | <font face="Symbol">s</font> | sigma | &sigma;  is  σ | &#963;  is  σ | Greek small letter sigma | WGL4 |
|  | &#61556 | <font face="Symbol">t</font> | tau | &tau;  is  τ | &#964;  is  τ | Greek small letter tau | WGL4 |
|  | &#61557 | <font face="Symbol">u</font> | upsilon | &upsilon;  is  υ | &#965;  is  υ | Greek small letter upsilon | WGL4 |
|  | &#61542 | <font face="Symbol">f</font> | phi | &phi;  is  φ | &#966;  is  φ | Greek small letter phi | WGL4 |
|  | &#61539 | <font face="Symbol">c</font> | chi | &chi;  is  χ | &#967;  is  χ | Greek small letter chi | WGL4 |
|  | &#61561 | <font face="Symbol">y</font> | psi | &psi;  is  ψ | &#968;  is  ψ | Greek small letter psi | WGL4 |
|  | &#61559 | <font face="Symbol">w</font> | omega | &omega;  is  ω | &#969;  is  ω | Greek small letter omega | WGL4 |
|  | &#61514 | <font face="Symbol">J</font> | theta1 | &thetasym;  is  ϑ | &#977;  is  ϑ | Greek theta symbol | - |
|  | &#61546 | <font face="Symbol">j</font> | phi1 | - | &#981;  is  ϕ | Greek phi symbol | - |
|  | &#61558 | <font face="Symbol">v</font> | omega1 | &piv;  is  ϖ | &#982;  is  ϖ | Greek pi symbol | - |
|  | &#61601 | <font face="Symbol">&#161;</font> | Upsilon1 | &upsih;  is  ϒ | &#978;  is  ϒ | Greek upsilon with hook symbol | - |

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# [General Punctuation](http://www.alanwood.net/unicode/general_punctuation.html) : Unicode U+2000 – U+206F (8192–8303)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61602 | <font face="Symbol">&#162;</font> | minute | &prime;  is  ′ | &#8242;  is  ′ | Prime | WGL4 |
|  | &#61604 | <font face="Symbol">&#164;</font> | fraction | &frasl;  is  ⁄ | &#8260;  is  ⁄ | Fraction slash | WGL4 |
|  | &#61618 | <font face="Symbol">&#178;</font> | second | &Prime;  is  ″ | &#8243;  is  ″ | Double prime | WGL4 |
|  | &#61628 | <font face="Symbol">&#188;</font> | ellipsis | &hellip;  is  … | &#8230;  is  … | Horizontal ellipsis | WGL4 |

# [Letterlike Symbols](http://www.alanwood.net/unicode/letterlike_symbols.html) : Unicode U+2100 – U+214F (8448–8527)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61632 | <font face="Symbol">&#192;</font> | aleph | &alefsym;  is  ℵ | &#8501;  is  ℵ | Alef symbol | - |
|  | &#61633 | <font face="Symbol">&#193;</font> | Ifraktur | &image;  is  ℑ | &#8465;  is  ℑ | Black-letter capital I | - |
|  | &#61634 | <font face="Symbol">&#194;</font> | Rfraktur | &real;  is  ℜ | &#8476;  is  ℜ | Black-letter capital R | - |
|  | &#61635 | <font face="Symbol">&#195;</font> | weierstrass | &weierp;  is  ℘ | &#8472;  is  ℘ | Script capital P | - |
|  | &#61652 | <font face="Symbol">&#212;</font> | trademarkserif | &trade;  is  ™ | &#8482;  is  ™ | Trade mark sign (serif) | WGL4 |
|  | &#61668 | <font face="Symbol">&#228;</font> | trademarksans | &trade;  is  ™ | &#8482;  is  ™ | Trade mark sign (sans-serif) | WGL4 |

# [Currency Symbols](http://www.alanwood.net/unicode/currency_symbols.html) : Unicode U+20A0 – U+20CF (8352–8399)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61680; | <font face="Symbol">&#240;</font> | Euro | &euro;  is  € | &#8364;  is  € | Euro sign | WGL4 |

# [Arrows](http://www.alanwood.net/unicode/arrows.html) : Unicode U+2190 – U+21FF (8592–8703)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61611 | <font face="Symbol">&#171;</font> | arrowboth | &harr;  is  ↔ | &#8596;  is  ↔ | Left right arrow | WGL4 |
|  | &#61612 | <font face="Symbol">&#172;</font> | arrowleft | &larr;  is  ← | &#8592;  is  ← | Leftwards arrow | WGL4 |
|  | &#61613 | <font face="Symbol">&#173;</font> | arrowup | &uarr;  is  ↑ | &#8593;  is  ↑ | Upwards arrow | WGL4 |
|  | &#61614 | <font face="Symbol">&#174;</font> | arrowright | &rarr;  is  → | &#8594;  is  → | Rightwards arrow | WGL4 |
|  | &#61615 | <font face="Symbol">&#175;</font> | arrowdown | &darr;  is  ↓ | &#8595;  is  ↓ | Downwards arrow | WGL4 |
|  | &#61631 | <font face="Symbol">&#191;</font> | carriagereturn | &crarr;  is  ↵ | &#8629;  is  ↵ | Downwards arrow with corner leftwards | - |
|  | &#61659 | <font face="Symbol">&#219;</font> | arrowdblboth | &hArr;  is  ⇔ | &#8660;  is  ⇔ | Left right double arrow | - |
|  | &#61660 | <font face="Symbol">&#220;</font> | arrowdblleft | &lArr;  is  ⇐ | &#8656;  is  ⇐ | Leftwards double arrow | - |
|  | &#61661 | <font face="Symbol">&#221;</font> | arrowdblup | &uArr;  is  ⇑ | &#8657;  is  ⇑ | Upwards double arrow | - |
|  | &#61662 | <font face="Symbol">&#222;</font> | arrowdblright | &rArr;  is  ⇒ | &#8658;  is  ⇒ | Rightwards double arrow | - |
|  | &#61663 | <font face="Symbol">&#223;</font> | arrowdbldown | &dArr;  is  ⇓ | &#8659;  is  ⇓ | Downwards double arrow | - |

# [Mathematical Operators](http://www.alanwood.net/unicode/mathematical_operators.html) : Unicode U+2200 – U+22FF (8704–8959)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61474 | <font face="Symbol">&#34;</font> | universal | &forall;  is  ∀ | &#8704;  is  ∀ | For all | - |
|  | &#61476 | <font face="Symbol">&#36;</font> | existential | &exist;  is  ∃ | &#8707;  is  ∃ | There exists | - |
|  | &#61479 | <font face="Symbol">&#39;</font> | suchthat | - | &#8717;  is  ∍ | Small contains as member | - |
|  | &#61482 | <font face="Symbol">&#42;</font> | asteriskmath | &lowast;  is  ∗ | &#8727;  is  ∗ | Asterisk operator | - |
|  | &#61485 | <font face="Symbol">&#45;</font> | minus | &minus;  is  − | &#8722;  is  − | Minus sign | WGL4 |
|  | &#61504 | <font face="Symbol">&#64;</font> | congruent | &cong;  is  ≅ | &#8773;  is  ≅ | Approximately equal to | - |
|  | &#61532 | <font face="Symbol">&#92;</font> | therefore | &there4;  is  ∴ | &#8756;  is  ∴ | Therefore | - |
|  | &#61534 | <font face="Symbol">&#94;</font> | perpendicular | &perp;  is  ⊥ | &#8869;  is  ⊥ | Up tack | - |
|  | &#61566 | <font face="Symbol">&#126;</font> | similar | &sim;  is  ∼ | &#8764;  is  ∼ | Tilde operator | - |
|  | &#61603 | <font face="Symbol">&#163;</font> | lessequal | &le;  is  ≤ | &#8804;  is  ≤ | Less-than or equal to | WGL4 |
|  | &#61605 | <font face="Symbol">&#165;</font> | infinity | &infin;  is  ∞ | &#8734;  is  ∞ | Infinity | WGL4 |
|  | &#61619 | <font face="Symbol">&#179;</font> | greaterequal | &ge;  is  ≥ | &#8805;  is  ≥ | Greater-than or equal to | WGL4 |
|  | &#61621 | <font face="Symbol">&#181;</font> | proportional | &prop;  is  ∝ | &#8733;  is  ∝ | Proportional to | - |
|  | &#61622 | <font face="Symbol">&#182;</font> | partialdiff | &part;  is  ∂ | &#8706;  is  ∂ | Partial differential | WGL4 |
|  | &#8226 | <font face="Symbol">&#183;</font> | bullet | - | &#8729; is ∙ | Bullet operator | WGL4 |
|  | &#61625 | <font face="Symbol">&#185;</font> | notequal | &ne;  is  ≠ | &#8800;  is  ≠ | Not equal to | WGL4 |
|  | &#61626 | <font face="Symbol">&#186;</font> | equivalence | &equiv;  is  ≡ | &#8801;  is  ≡ | Identical to | WGL4 |
|  | &#61627 | <font face="Symbol">&#187;</font> | approxequal | &asymp;  is  ≈ | &#8776;  is  ≈ | Almost equal to | WGL4 |
|  | &#61636 | <font face="Symbol">&#196;</font> | circlemultiply | &otimes;  is  ⊗ | &#8855;  is  ⊗ | Circled times | - |
|  | &#61637 | <font face="Symbol">&#197;</font> | circleplus | &oplus;  is  ⊕ | &#8853;  is  ⊕ | Circled plus | - |
|  | &#61638 | <font face="Symbol">&#198;</font> | emptyset | &empty;  is  ∅ | &#8709;  is  ∅ | Empty set | - |
|  | &#61639 | <font face="Symbol">&#199;</font> | intersection | &cap;  is  ∩ | &#8745;  is  ∩ | Intersection | WGL4 |
|  | &#61640 | <font face="Symbol">&#200;</font> | union | &cup;  is  ∪ | &#8746;  is  ∪ | Union | - |
|  | &#61641 | <font face="Symbol">&#201;</font> | propersuperset | &sup;  is  ⊃ | &#8835;  is  ⊃ | Superset of | - |
|  | &#61642 | <font face="Symbol">&#202;</font> | reflexsuperset | &supe;  is  ⊇ | &#8839;  is  ⊇ | Superset of or equal to | - |
|  | &#61643 | <font face="Symbol">&#203;</font> | notsubset | &nsub;  is  ⊄ | &#8836;  is  ⊄ | Not a subset of | - |
|  | &#61644 | <font face="Symbol">&#204;</font> | propersubset | &sub;  is  ⊂ | &#8834;  is  ⊂ | Subset of | - |
|  | &#61645 | <font face="Symbol">&#205;</font> | reflexsubset | &sube;  is  ⊆ | &#8838;  is  ⊆ | Subset of or equal to | - |
|  | &#61646 | <font face="Symbol">&#206;</font> | element | &isin;  is  ∈ | &#8712;  is  ∈ | Element of | - |
|  | &#61647 | <font face="Symbol">&#207;</font> | notelement | &notin;  is  ∉ | &#8713;  is  ∉ | Not an element of | - |
|  | &#61648 | <font face="Symbol">&#208;</font> | angle | &ang;  is  ∠ | &#8736;  is  ∠ | Angle | - |
|  | &#61649 | <font face="Symbol">&#209;</font> | gradient | &nabla;  is  ∇ | &#8711;  is  ∇ | Nabla | - |
|  | &#61653 | <font face="Symbol">&#213;</font> | product | &prod;  is  ∏ | &#8719;  is  ∏ | N-ary product | WGL4 |
|  | &#61654 | <font face="Symbol">&#214;</font> | radical | &radic;  is  √ | &#8730;  is  √ | Square root | WGL4 |
|  | &#61655 | <font face="Symbol">&#215;</font> | dotmath | &sdot;  is  ⋅ | &#8901;  is  ⋅ | Dot operator | - |
|  | &#61657 | <font face="Symbol">&#217;</font> | logicaland | &and;  is  ∧ | &#8743;  is  ∧ | Logical and | - |
|  | &#61658 | <font face="Symbol">&#218;</font> | logicalor | &or;  is  ∨ | &#8744;  is  ∨ | Logical or | - |
|  | &#61669 | <font face="Symbol">&#229;</font> | summation | &sum;  is  ∑ | &#8721;  is  ∑ | N-ary summation | WGL4 |
|  | &#61682 | <font face="Symbol">&#242;</font> | integral | &int;  is  ∫ | &#8747;  is  ∫ | Integral | WGL4 |

# [Miscellaneous Technical](http://www.alanwood.net/unicode/miscellaneous_technical.html) : Unicode U+2300 – U+23FF (8960–9215)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61629 | <font face="Symbol">&#189;</font> | arrowvertex | - | &#9168;  is  ⏐ | Vertical line extension | - |
|  | &#61630 | <font face="Symbol">&#190;</font> | arrowhorizex | - | &#9135;  is  ⎯ | Horizontal line extension | - |
|  | &#61665 | <font face="Symbol">&#225;</font> | angleleft | &lang;  is  ⟨ | &#9001;  is  〈 | Left-pointing angle bracket | - |
|  | &#61670 | <font face="Symbol">&#230;</font> | parenlefttp | - | &#9115;  is  ⎛ | Left parenthesis upper hook | - |
|  | &#61671 | <font face="Symbol">&#231;</font> | parenleftex | - | &#9116;  is  ⎜ | Left parenthesis extension | - |
|  | &#61672 | <font face="Symbol">&#232;</font> | parenleftbt | - | &#9117;  is  ⎝ | Left parenthesis lower hook | - |
|  | &#61673 | <font face="Symbol">&#233;</font> | bracketlefttp | - | &#9121;  is  ⎡ | Left square bracket upper corner | - |
|  | &#61674 | <font face="Symbol">&#234;</font> | bracketleftex | - | &#9122;  is  ⎢ | Left square bracket extension | - |
|  | &#61675 | <font face="Symbol">&#235;</font> | bracketleftbt | - | &#9123;  is  ⎣ | Left square bracket lower corner | - |
|  | &#61676 | <font face="Symbol">&#236;</font> | bracelefttp | - | &#9127;  is  ⎧ | Left curly bracket upper hook | - |
|  | &#61677 | <font face="Symbol">&#237;</font> | braceleftmid | - | &#9128;  is  ⎨ | Left curly bracket middle piece | - |
|  | &#61678 | <font face="Symbol">&#238;</font> | braceleftbt | - | &#9129;  is  ⎩ | Left curly bracket lower hook | - |
|  | &#61679 | <font face="Symbol">&#239;</font> | braceex | - | &#9130;  is  ⎪ | Curly bracket extension | - |
|  | &#61681 | <font face="Symbol">&#241;</font> | angleright | &rang;  is  ⟩ | &#9002;  is  〉 | Right-pointing angle bracket | - |
|  | &#61683 | <font face="Symbol">&#243;</font> | integraltp | - | &#8992;  is  ⌠ | Top half integral | WGL4 |
|  | &#61684 | <font face="Symbol">&#244;</font> | integralex | - | &#9134;  is  ⎮ | Integral extension | - |
|  | &#61685 | <font face="Symbol">&#245;</font> | integralbt | - | &#8993;  is  ⌡ | Bottom half integral | WGL4 |
|  | &#61686 | <font face="Symbol">&#246;</font> | parenrighttp | - | &#9118;  is  ⎞ | Right parenthesis upper hook | - |
|  | &#61687 | <font face="Symbol">&#247;</font> | parenrightex | - | &#9119;  is  ⎟ | Right parenthesis extension | - |
|  | &#61688 | <font face="Symbol">&#248;</font> | parenrightbt | - | &#9120;  is  ⎠ | Right parenthesis lower hook | - |
|  | &#61689 | <font face="Symbol">&#249;</font> | bracketrighttp | - | &#9124;  is  ⎤ | Right square bracket upper corner | - |
|  | &#61690 | <font face="Symbol">&#250;</font> | bracketrightex | - | &#9125;  is  ⎥ | Right square bracket extension | - |
|  | &#61691 | <font face="Symbol">&#251;</font> | bracketrightbt | - | &#9126;  is  ⎦ | Right square bracket lower corner | - |
|  | &#61692 | <font face="Symbol">&#252;</font> | bracerighttp | - | &#9131;  is  ⎫ | Right curly bracket upper hook | - |
|  | &#61693 | <font face="Symbol">&#253;</font> | bracerightmid | - | &#9132;  is  ⎬ | Right curly bracket middle piece | - |
|  | &#61694 | <font face="Symbol">&#254;</font> | bracerightbt | - | &#9133;  is  ⎭ | Right curly bracket lower hook | - |

# [Geometric Shapes](http://www.alanwood.net/unicode/geometric_shapes.html) : Unicode U+25A0 – U+25FF (9632–9727)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61664; | <font face="Symbol">&#224;</font> | lozenge | &loz;  is  ◊ | &#9674;  is  ◊ | Lozenge | WGL4 |

# [Miscellaneous Symbols](http://www.alanwood.net/unicode/miscellaneous_symbols.html) : Unicode U+2600 – U+26FF (9728–9983)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Symbol** | | | | **Unicode** | | | |
| **Character** | **Numeric reference** | **HTML code for character** | **PS name** | **Character entity** | **Numeric reference** | **Name** | **WGL4** |
|  | &#61607 | <font face="Symbol">&#167;</font> | club | &clubs;  is  ♣ | &#9827;  is  ♣ | Black club suit | WGL4 |
|  | &#61608 | <font face="Symbol">&#168;</font> | diamond | &diams;  is  ♦ | &#9830;  is  ♦ | Black diamond suit | WGL4 |
|  | &#61609 | <font face="Symbol">&#169;</font> | heart | &hearts;  is  ♥ | &#9829;  is  ♥ | Black heart suit | WGL4 |
|  | &#61610 | <font face="Symbol">&#170;</font> | spade | &spades;  is  ♠ | &#9824;  is  ♠ | Black spade suit | WGL |