

## Data types (characters)

tag/attrib/value	description
<i>International letters</i>	
&ETH;	Ð (&#208; latin capital letter eth)
&eth;	ð (&#240; latin small letter eth)
&THORN;	Þ (&#222; latin capital letter thorn)
&thorn;	þ (&#254; latin small letter thorn)
<i>Latin ligatures</i>	
&AElig;	Æ (&#198; latin capital ligature ae)
&aelig;	æ (&#230; latin small ligature ae)
&szlig;	ß (&#223; latin small letter sharp s)
&OElig;	Œ (&#338; latin capital ligature oe)
&oelig;	œ (&#339; latin small ligature oe)
<i>Accents</i>	
&acute;	´ (&#180; acute accent)
&tilde;	˜ (&#732; small tilde)
&circ;	ˆ (&#710; circumflex accent)
&uml;	¨ (&#168; diaeresis)
&cedil;	¸ (&#184; cedilla)
<i>Accented Latin letters</i>	
&Agrave;	À (&#192; capital letter a with grave)
&Aacute;	Á (&#193; capital letter a with acute)
&Acirc;	Â (&#194; capital letter a with circumflex)
&Atilde;	Ã (&#195; capital letter a with tilde)
&Auml;	Ä (&#196; capital letter a with diaeresis)
&Aring;	Å (&#197; capital letter a with ring above)
&Ccedil;	Ç (&#199; capital letter c with cedilla)
&Egrave;	È (&#200; capital letter e with grave)
&Eacute;	É (&#201; capital letter e with acute)
&Ecirc;	Ê (&#202; capital letter e with circumflex)
&Euml;	Ë (&#203; capital letter e with diaeresis)
&Igrave;	Ì (&#204; capital letter i with grave)
&Iacute;	Í (&#205; capital letter i with acute)
&Icirc;	Î (&#206; capital letter i with circumflex)
&Iuml;	Ï (&#207; capital letter i with diaeresis)
&Ntilde;	Ñ (&#209; capital letter n with tilde)
&Ograve;	Ò (&#210; capital letter o with grave)
&Oacute;	Ó (&#211; capital letter o with acute)
&Ocirc;	Ô (&#212; capital letter o with circumflex)
&Otilde;	Õ (&#213; capital letter o with tilde)
&Ouml;	Ö (&#214; capital letter o with diaeresis)
&Oslash;	Ø (&#216; capital letter o with stroke)
&Scaron;	Š (&#352; capital letter s with caron)
&Ugrave;	Ù (&#217; capital letter u with grave)
&Uacute;	Ú (&#218; capital letter u with acute)
&Ucirc;	Û (&#219; capital letter u with circumflex)
&Uuml;	Ü (&#220; capital letter u with diaeresis)
&Yacute;	Ý (&#221; capital letter y with acute)
&Yuml;	ÿ (&#376; capital letter y with diaeresis)
&agrave;	à (&#224; small letter a with grave)
&aacute;	á (&#225; small letter a with acute)
&acirc;	â (&#226; small letter a with circumflex)
&atilde;	ã (&#227; small letter a with tilde)
&auml;	ä (&#228; small letter a with diaeresis)
&aring;	å (&#229; small letter a with ring above)
&ccedil;	ç (&#231; small letter c with cedilla)
&egrave;	è (&#232; small letter e with grave)
&eacute;	é (&#233; small letter e with acute)

&ecirc;	ê (&#234; small letter e with circumflex)
&euml;	ë (&#235; small letter e with diaeresis)
&igrave;	ì (&#236; small letter i with grave)
&iacute;	í (&#237; small letter i with acute)
&icirc;	î (&#238; small letter i with circumflex)
&iuml;	ï (&#239; small letter i with diaeresis)
&ntilde;	ñ (&#241; small letter n with tilde)
&ograve;	ò (&#242; small letter o with grave)
&oacute;	ó (&#243; small letter o with acute)
&ocirc;	ô (&#244; small letter o with circumflex)
&otilde;	õ (&#245; small letter o with tilde)
&ouml;	ö (&#246; small letter o with diaeresis)
&oslash;	ø (&#248; small letter o with stroke)
&scaron;	š (&#353; small letter s with caron)
&ugrave;	ù (&#249; small letter u with grave)
&uacute;	ú (&#250; small letter u with acute)
&ucirc;	û (&#251; small letter u with circumflex)
&uuml;	ü (&#252; small letter u with diaeresis)
&yacute;	ý (&#253; small letter y with acute)
&yuml;	ÿ (&#255; small letter y with diaeresis)
<i>Spacing</i>	
&thinsp;	(&#8201; thin space)
&nbsp;	(&#160; non-breaking space)
&ensp;	(&#8194; en space)
&emsp;	(&#8195; em space)
&zwj;	(&#8204; zero width non-joiner)
&zwj;	(&#8205; zero width joiner)
&lrm;	(&#8206; left-to-right mark)
&rlm;	(&#8207; right-to-left mark)
<i>Punctuation</i>	
&iexcl;	¡ (&#161; inverted exclamation mark)
&iquest;	¿ (&#191; inverted question mark)
&middot;	· (&#183; middle dot)
<i>Basic typographical symbols</i>	
&lsquo;	‘ (&#8216; left single quotation mark)
&rsquo;	’ (&#8217; right single quotation mark)
&sbquo;	‚ (&#8218; single low-9 quotation mark)
&quot;	" (&#34; quotation mark)
&ldquo;	“ (&#8220; left double quotation mark)
&rdquo;	” (&#8221; right double quotation mark)
&bdquo;	„ (&#8222; double low-9 quotation mark)
&lsaquo;	< (&#8249; single left-pointing angle quotation mark)
&rsaquo;	> (&#8250; single right-pointing angle quotation mark)
&laquo;	« (&#171; left pointing guillemet)
&raquo;	» (&#187; right pointing guillemet)
&lang;	‹ (&#9001; left-pointing angle bracket)
&rang;	› (&#9002; right-pointing angle bracket)
&amp;	& (&#38; ampersand)
&shy;	– (&#173; soft hyphen)
&ndash;	- (&#8211; en dash)
&mdash;	— (&#8212; em dash)
<i>Special typographical symbols</i>	
&macr;	¯ (&#175; macron)
&oline;	— (&#8254; overline)
&brvbar;	‡ (&#166; broken bar)
&sect;	§ (&#167; section sign)
&para;	¶ (&#182; paragraph sign)
&bull;	• (&#8226; bullet)
&hellip;	… (&#8230; horizontal ellipsis)
&copy;	© (&#169; copyright sign)
&reg;	® (&#174; registered trade mark sign)
&trade;	™ (&#8482; trade mark sign)
&loz;	◊ (&#9674; lozenge)
&dagger;	† (&#8224; dagger)
&Dagger;	‡ (&#8225; double dagger)
&lceil;	⌈ (&#8968; left ceiling)
&rceil;	⌋ (&#8969; right ceiling)
&lfloor;	⌊ (&#8970; left floor)

<code>&amp;rfloor;</code>	⌋ (&#8971; right floor)
<i>Numbering characters</i>	
<code>&amp;sup1;</code>	<sup>1</sup> (&#185; superscript one)
<code>&amp;sup2;</code>	<sup>2</sup> (&#178; superscript two)
<code>&amp;sup3;</code>	<sup>3</sup> (&#179; superscript three)
<code>&amp;frac14;</code>	$\frac{1}{4}$ (&#188; fraction one quarter)
<code>&amp;frac12;</code>	$\frac{1}{2}$ (&#189; fraction one half)
<code>&amp;frac34;</code>	$\frac{3}{4}$ (&#190; fraction three quarters)
<code>&amp;ordf;</code>	<sup>a</sup> (&#170; feminine ordinal indicator)
<code>&amp;ordm;</code>	<sup>o</sup> (&#186; masculine ordinal indicator)
<code>&amp;deg;</code>	° (&#176; degree sign)
<code>&amp;prime;</code>	' (&#8242; prime)
<code>&amp;Prime;</code>	" (&#8243; double prime)
<i>Basic mathematical symbols</i>	
<code>&amp;times;</code>	× (&#215; multiplication sign)
<code>&amp;divide;</code>	÷ (&#247; division sign)
<code>&amp;permil;</code>	‰ (&#8240; per mille sign)
<code>&amp;lt;</code>	< (&#60; less-than sign)
<code>&amp;gt;</code>	> (&#62; greater-than sign)
<code>&amp;not;</code>	¬ (&#172; not sign)
<code>&amp;plusmn;</code>	± (&#177; plus-minus sign)
<code>&amp;frasl;</code>	/ (&#8260; fraction slash)
<i>Advanced mathematical symbols</i>	
<code>&amp;forall;</code>	∀ (&#8704; for all)
<code>&amp;part;</code>	∂ (&#8706; partial differential)
<code>&amp;exist;</code>	∃ (&#8707; there exists)
<code>&amp;empty;</code>	∅ (&#8709; empty set)
<code>&amp;nabla;</code>	∇ (&#8711; nabla)
<code>&amp;isin;</code>	∈ (&#8712; element of)
<code>&amp;notin;</code>	∉ (&#8713; not an element of)
<code>&amp;ni;</code>	∋ (&#8715; contains as member)
<code>&amp;prod;</code>	∏ (&#8719; n-ary product)
<code>&amp;sum;</code>	∑ (&#8721; n-ary sumation)
<code>&amp;minus;</code>	− (&#8722; minus sign)
<code>&amp;lowast;</code>	* (&#8727; asterisk operator)
<code>&amp;radic;</code>	√ (&#8730; radical sign)
<code>&amp;prop;</code>	∝ (&#8733; proportional to)
<code>&amp;infin;</code>	∞ (&#8734; infinity)
<code>&amp;ang;</code>	∠ (&#8736; angle)
<code>&amp;and;</code>	∧ (&#8743; logical and)
<code>&amp;or;</code>	∨ (&#8744; logical or)
<code>&amp;cap;</code>	∩ (&#8745; intersection)
<code>&amp;cup;</code>	∪ (&#8746; union)
<code>&amp;int;</code>	∫ (&#8747; integral)
<code>&amp;there4;</code>	∴ (&#8756; therefore)
<code>&amp;sim;</code>	∼ (&#8764; similar to)
<code>&amp;cong;</code>	≅ (&#8773; approximately equal to)
<code>&amp;asymp;</code>	≈ (&#8776; asymptotic to)
<code>&amp;neq;</code>	≠ (&#8800; not equal to)
<code>&amp;equiv;</code>	≡ (&#8801; identical to)
<code>&amp;le;</code>	≤ (&#8804; less-than or equal to)
<code>&amp;ge;</code>	≥ (&#8805; greater-than or equal to)
<code>&amp;sub;</code>	⊂ (&#8834; subset of)
<code>&amp;sup;</code>	⊃ (&#8835; superset of)
<code>&amp;nsup;</code>	⊄ (&#8836; not a subset of)
<code>&amp;sube;</code>	⊆ (&#8838; subset of or equal to)
<code>&amp;supe;</code>	⊇ (&#8839; superset of or equal to)
<code>&amp;oplus;</code>	⊕ (&#8853; direct sum)
<code>&amp;otimes;</code>	⊗ (&#8855; vector product)
<code>&amp;perp;</code>	⊥ (&#8869; perpendicular)
<code>&amp;sdot;</code>	⋅ (&#8901; dot operator)
<i>Currency symbols</i>	
<code>&amp;cent;</code>	¢ (&#162; cent sign)
<code>&amp;pound;</code>	£ (&#163; pound sign)
<code>&amp;yen;</code>	¥ (&#165; yen sign)
<code>&amp;fnof;</code>	ƒ (&#402; florin)
<code>&amp;euro;</code>	€ (&#8364; euro sign)
<code>&amp;curren;</code>	₣ (&#164; currency sign)
<i>Greek letters</i>	
<code>&amp;Alpha;</code>	Α (&#913; capital letter alpha)
<code>&amp;Beta;</code>	Β (&#914; capital letter beta)
<code>&amp;Gamma;</code>	Γ (&#915; capital letter gamma)
<code>&amp;Delta;</code>	Δ (&#916; capital letter delta)

&Epsilon;	E (&#917; capital letter epsilon)
&Zeta;	Z (&#918; capital letter zeta)
&Eta;	H (&#919; capital letter eta)
&Theta;	Θ (&#920; capital letter theta)
&Iota;	Ι (&#921; capital letter iota)
&Kappa;	Κ (&#922; capital letter kappa)
&Lambda;	Λ (&#923; capital letter lambda)
&Mu;	Μ (&#924; capital letter mu)
&Nu;	Ν (&#925; capital letter nu)
&Xi;	Ξ (&#926; capital letter xi)
&Omicron;	Ο (&#927; capital letter omicron)
&Pi;	Π (&#928; capital letter pi)
&Rho;	Ρ (&#929; capital letter rho)
&Sigma;	Σ (&#931; capital letter sigma)
&Tau;	Τ (&#932; capital letter tau)
&Upsilon;	Υ (&#933; capital letter upsilon)
&Phi;	Φ (&#934; capital letter phi)
&Chi;	Χ (&#935; capital letter chi)
&Psi;	Ψ (&#936; capital letter psi)
&Omega;	Ω (&#937; capital letter omega)
&alpha;	α (&#945; small letter alpha)
&beta;	β (&#946; small letter beta)
&gamma;	γ (&#947; small letter gamma)
&delta;	δ (&#948; small letter delta)
&epsilon;	ε (&#949; small letter epsilon)
&zeta;	ζ (&#950; small letter zeta)
&eta;	η (&#951; small letter eta)
&theta;	θ (&#952; small letter theta)
&iota;	ι (&#953; small letter iota)
&kappa;	κ (&#954; small letter kappa)
&lambda;	λ (&#955; small letter lambda)
&mu;	μ (&#956; small letter mu)
&nu;	ν (&#957; small letter nu)
&xi;	ξ (&#958; small letter xi)
&omicron;	ο (&#959; small letter omicron)
&pi;	π (&#960; small letter pi)
&rho;	ρ (&#961; small letter rho)
&sigmaf;	ς (&#962; small letter final sigma)
&sigma;	σ (&#963; small letter sigma)
&tau;	τ (&#964; small letter tau)
&upsilon;	υ (&#965; small letter upsilon)
&phi;	φ (&#966; small letter phi)
&chi;	χ (&#967; small letter chi)
&psi;	ψ (&#968; small letter psi)
&omega;	ω (&#969; small letter omega)
<i>Greek-like symbols</i>	
&micro;	μ (&#181; micro sign)
&thetasym;	ϑ (&#977; small letter theta symbol)
&upsih;	Υ (&#978; upsilon with hook symbol)
&piv;	ϖ (&#982; pi symbol)
&alefsym;	ℵ (&#8501; alef symbol)
<i>Letter-like symbols</i>	
&weierp;	℘ (&#8472; Weierstrass p)
&image;	ℑ (&#8465; imaginary part)
&real;	℔ (&#8476; real part symbol)
<i>Arrows</i>	
&larr;	← (&#8592; leftwards arrow)
&uarr;	↑ (&#8593; upwards arrow)
&rarr;	→ (&#8594; rightwards arrow)
&darr;	↓ (&#8595; downwards arrow)
&harr;	↔ (&#8596; left right arrow)
&crarr;	↵ (&#8629; carriage return)
&lArr;	⇐ (&#8656; leftwards double arrow)
&uArr;	⇑ (&#8657; upwards double arrow)
&rArr;	⇒ (&#8658; rightwards double arrow)
&dArr;	⇓ (&#8659; downwards double arrow)
&hArr;	⇔ (&#8660; left right double arrow)
<i>Miscellaneous Symbols</i>	
&spades;	♠ (&#9824; black spade suit)
&clubs;	♣ (&#9827; black club suit)
&hearts;	♥ (&#9829; black heart suit)
&diams;	♦ (&#9830; black diamond suit)