

13.5 Named character references

13.5 Named character references §

This table lists the character reference names that are supported by HTML, and the code points to which they refer. It is referenced by the previous sections.

Note

It is intentional, for legacy compatibility, that many code points have multiple character reference names. For example, some appear both with and without the trailing semicolon, or with different capitalizations.

Name	Character(s)	Glyph
Aacute;	U+000C1	Á
Aacute	U+000C1	Á
aacute;	U+000E1	á
aacute	U+000E1	á
Abreve;	U+00102	Ă
abreve;	U+00103	ă
ac;	U+0223E	∞
acd;	U+0223F	~
acE;	U+0223E U+00333	∞
Acirc;	U+000C2	Â
Acirc	U+000C2	Â
acirc;	U+000E2	â
acirc	U+000E2	â
acute;	U+000B4	´
acute	U+000B4	´
Acy;	U+00410	А
acy;	U+00430	а
AElig;	U+000C6	Æ
AElig	U+000C6	Æ
aelig;	U+000E6	æ
aelig	U+000E6	æ
af;	U+02061	
Afr;	U+1D504	ℳ
afr;	U+1D51E	α
Agrave;	U+000C0	À
Agrave	U+000C0	À
agrave;	U+000E0	à

Name	Character(s)	Glyph
agrave	U+000E0	à
alefsym;	U+02135	ℵ
aleph;	U+02135	ℵ
Alpha;	U+00391	Α
alpha;	U+003B1	α
Amacr;	U+00100	Ä
amacr;	U+00101	ä
amalg;	U+02A3F	⋈
AMP;	U+00026	&
AMP	U+00026	&
amp;	U+00026	&
amp	U+00026	&
And;	U+02A53	⋈
and;	U+02227	∧
andand;	U+02A55	⋈
andd;	U+02A5C	⋈
andslope;	U+02A58	∧
andv;	U+02A5A	∧
ang;	U+02220	∠
ange;	U+029A4	∠
angle;	U+02220	∠
angmsd;	U+02221	∠
angmsdaa;	U+029A8	∠
angmsdab;	U+029A9	∠
angmsdac;	U+029AA	∠
angmsdad;	U+029AB	∠
angmsdae;	U+029AC	∠
angmsdaf;	U+029AD	∠
angmsdag;	U+029AE	∠
angmsdah;	U+029AF	∠
angrt;	U+0221F	└
angrtvb;	U+022BE	└
angrtvbd;	U+0299D	└
angsph;	U+02222	∠
angst;	U+000C5	Å
angzarr;	U+0237C	Ɑ
Aogon;	U+00104	Ą
aogon;	U+00105	ą
Aopf;	U+1D538	Ⓐ
aopf;	U+1D552	Ⓐ
ap;	U+02248	≈
apacir;	U+02A6F	≈
apE;	U+02A70	≅
ape;	U+0224A	≈
apid;	U+0224B	≈
apos;	U+00027	'
ApplyFunction;	U+02061	
approx;	U+02248	≈
proxeq;	U+0224A	≈
Aring;	U+000C5	Å
Aring	U+000C5	Å
aring;	U+000E5	å
aring	U+000E5	å
Ascr;	U+1D49C	ℳ
ascr;	U+1D4B6	ℳ
Assign;	U+02254	⋈
ast;	U+0002A	*
asympt;	U+02248	≈
asympeq;	U+0224D	≈
Atilde;	U+000C3	Ã
Atilde	U+000C3	Ã
atilde;	U+000E3	ã

Name	Character(s)	Glyph
atilde	U+000E3	ã
Auml;	U+000C4	Ä
Auml	U+000C4	Ä
auml;	U+000E4	ä
auml	U+000E4	ä
awconint;	U+02233	ϕ
awint;	U+02A11	ƒ
backcong;	U+0224C	≐
backepsilon;	U+003F6	э
backprime;	U+02035	`
backsim;	U+0223D	∼
backsimeq;	U+022CD	≍
Backslash;	U+02216	\
Barv;	U+02AE7	Ƴ
barvee;	U+022BD	∇
Barwed;	U+02306	⌞
barwed;	U+02305	⌝
barwedge;	U+02305	⌝
bbrk;	U+023B5	⌋
bbrktbrk;	U+023B6	⌋⌋
bcong;	U+0224C	≐
Bcy;	U+00411	Б
bcy;	U+00431	б
bdquo;	U+0201E	„
becaus;	U+02235	∴
Because;	U+02235	∴
because;	U+02235	∴
bemptyv;	U+029B0	⊖
bepsi;	U+003F6	э
bernou;	U+0212C	ℬ
Bernoullis;	U+0212C	ℬ
Beta;	U+00392	Β
beta;	U+003B2	β
beth;	U+02136	𐤁
between;	U+0226C	⋈
Bfr;	U+1D505	𝔅
bfr;	U+1D51F	𝔟
bigcap;	U+022C2	∩
bigcirc;	U+025EF	◯
bigcup;	U+022C3	∪
bigodot;	U+02A00	⊙
bigoplus;	U+02A01	⊕
bigotimes;	U+02A02	⊗
bigsqcup;	U+02A06	⊔
bigstar;	U+02605	★
bigtriangledown;	U+025BD	▽
bigtriangleup;	U+025B3	△
biguplus;	U+02A04	⊕
bigvee;	U+022C1	∨
bigwedge;	U+022C0	∧
bkarow;	U+0290D	↞
blacklozenge;	U+029EB	⬠
blacksquare;	U+025AA	▪
blacktriangle;	U+025B4	▲
blacktriangledown;	U+025BE	▼
blacktriangleleft;	U+025C2	◀
blacktriangleright;	U+025B8	▶
blank;	U+02423	␣
blk12;	U+02592	▤
blk14;	U+02591	▥
blk34;	U+02593	▧
block;	U+02588	▨

Name	Character(s)	Glyph
bne;	U+0003D U+020E5	≡□
bnequiv;	U+02261 U+020E5	≡
bNot;	U+02AED	≡
bnot;	U+02310	¬
Bopf;	U+1D539	ℬ
bopf;	U+1D553	℔
bot;	U+022A5	⊥
bottom;	U+022A5	⊥
bowtie;	U+022C8	⋈
boxbox;	U+029C9	⊞
boxDL;	U+02557	⌈
boxDl;	U+02556	⌊
boxdl;	U+02555	⌋
boxdl;	U+02510	⌌
boxDR;	U+02554	⌉
boxDr;	U+02553	⌈
boxdR;	U+02552	⌊
boxdr;	U+0250C	⌋
boxH;	U+02550	≡
boxh;	U+02500	—
boxHD;	U+02566	⌈
boxHd;	U+02564	⌊
boxhD;	U+02565	⌋
boxhd;	U+0252C	⌌
boxHU;	U+02569	⌉
boxHu;	U+02567	⌈
boxhU;	U+02568	⌊
boxhu;	U+02534	⊥
boxminus;	U+0229F	⊞
boxplus;	U+0229E	⊞
boxtimes;	U+022A0	⊞
boxUL;	U+0255D	⌈
boxUl;	U+0255C	⌊
boxuL;	U+0255B	⌋
boxuI;	U+02518	⌌
boxUR;	U+0255A	⌉
boxUr;	U+02559	⌈
boxuR;	U+02558	⌊
boxur;	U+02514	⌌
boxV;	U+02551	⌈
boxv;	U+02502	⌈
boxVH;	U+0256C	⌈
boxVh;	U+0256B	⌊
boxvH;	U+0256A	⌋
boxvh;	U+0253C	⌌
boxVL;	U+02563	⌈
boxVl;	U+02562	⌊
boxvL;	U+02561	⌋
boxvl;	U+02524	⌌
boxVR;	U+02560	⌉
boxVr;	U+0255F	⌈
boxvR;	U+0255E	⌊
boxvr;	U+0251C	⌌
bprime;	U+02035	′
Breve;	U+002D8	˘
breve;	U+002D8	˘
brvbar;	U+000A6	̂
brvbar	U+000A6	̂
Bscr;	U+0212C	ℬ
bscr;	U+1D4B7	ℬ
bsemi;	U+0204F	;
bsim;	U+0223D	∼

Name	Character(s)	Glyph
bsime;	U+022CD	≈
bsol;	U+0005C	\
bsolb;	U+029C5	⌘
bsolhsub;	U+027C8	⌵
bull;	U+02022	•
bullet;	U+02022	•
bump;	U+0224E	⇄
bumpE;	U+02AAE	⇌
bumpe;	U+0224F	⇅
Bumpeq;	U+0224E	⇄
bumpeq;	U+0224F	⇅
Cacute;	U+00106	Ć
cacute;	U+00107	ć
Cap;	U+022D2	⌒
cap;	U+02229	∩
capand;	U+02A44	⋈
capbrcup;	U+02A49	⋉
capcap;	U+02A4B	⋊
capcup;	U+02A47	⋇
capdot;	U+02A40	⋆
CapitalDifferentialD;	U+02145	𝒟
caps;	U+02229 U+0FE00	∩
caret;	U+02041	⸀
caron;	U+002C7	ˇ
Cayleys;	U+0212D	℔
ccaps;	U+02A4D	⋊
Ccaron;	U+0010C	Č
ccaron;	U+0010D	č
Ccedil;	U+000C7	Ç
Ccedil	U+000C7	Ç
ccedil;	U+000E7	ç
ccedil	U+000E7	ç
Ccirc;	U+00108	Ĉ
ccirc;	U+00109	ĉ
Cconint;	U+02230	∯
ccups;	U+02A4C	⋊
ccupssm;	U+02A50	⋋
Cdot;	U+0010A	Ċ
cdot;	U+0010B	ċ
cedil;	U+000B8	¸
cedil	U+000B8	¸
Cedilla;	U+000B8	¸
cemptyv;	U+029B2	∅
cent;	U+000A2	¢
cent	U+000A2	¢
CenterDot;	U+000B7	·
centerdot;	U+000B7	·
Cfr;	U+0212D	℔
cfr;	U+1D520	ℭ
CHcy;	U+00427	Ҁ
chcy;	U+00447	Ҁ
check;	U+02713	✓
checkmark;	U+02713	✓
Chi;	U+003A7	Χ
chi;	U+003C7	χ
cir;	U+025CB	◦
circ;	U+002C6	ˆ
circeq;	U+02257	≐
circlearrowleft;	U+021BA	↺
circlearrowright;	U+021BB	↻
circledast;	U+0229B	⊛
circledcirc;	U+0229A	⊙

Name	Character(s)	Glyph
circleddash;	U+0229D	⊖
CircleDot;	U+02299	⊙
circledR;	U+000AE	®
circledS;	U+024C8	Ⓢ
CircleMinus;	U+02296	⊖
CirclePlus;	U+02295	⊕
CircleTimes;	U+02297	⊗
cirE;	U+029C3	⊖̇
cire;	U+02257	⊖̇
cirfnint;	U+02A10	Ⓣ
cirmid;	U+02AEF	Ⓜ
cirscir;	U+029C2	⊖̇
ClockwiseContourIntegral;	U+02232	⌢
CloseCurlyDoubleQuote;	U+0201D	”
CloseCurlyQuote;	U+02019	’
clubs;	U+02663	♣
clubsuit;	U+02663	♣
Colon;	U+02237	::
colon;	U+0003A	:
Colone;	U+02A74	⋮
colone;	U+02254	⋮
coloneq;	U+02254	⋮
comma;	U+0002C	,
commat;	U+00040	@
comp;	U+02201	℄
compfn;	U+02218	∘
complement;	U+02201	℄
complexes;	U+02102	ℂ
cong;	U+02245	≅
congdots;	U+02A6D	≅
Congruent;	U+02261	≡
Conint;	U+0222F	⨏
conint;	U+0222E	∫
ContourIntegral;	U+0222E	∫
Copf;	U+02102	ℂ
copf;	U+1D554	℄
coprod;	U+02210	∏
Coproduct;	U+02210	∏
COPY;	U+000A9	©
COPY	U+000A9	©
copy;	U+000A9	©
copy	U+000A9	©
copysr;	U+02117	Ⓢ
CounterClockwiseContourIntegral;	U+02233	⌣
crarr;	U+021B5	↶
Cross;	U+02A2F	⊠
cross;	U+02717	⋈
Cscr;	U+1D49E	℄
cscr;	U+1D4B8	℄
csub;	U+02ACF	⊐
csube;	U+02AD1	⊑
csup;	U+02AD0	⊒
csupe;	U+02AD2	⊓
ctdot;	U+022EF	⋯
cudarrrl;	U+02938	↵
cudarrrr;	U+02935	↶
cuepr;	U+022DE	⋞
cuesc;	U+022DF	⋟
cularr;	U+021B6	↷
cularrp;	U+0293D	↷
Cup;	U+022D3	⊃
cup;	U+0222A	∪

Name	Character(s)	Glyph
cupbrcap;	U+02A48	⍈
CupCap;	U+0224D	⋈
cupcap;	U+02A46	⍆
cupcup;	U+02A4A	⍊
cupdot;	U+0228D	⋔
cupor;	U+02A45	⍅
cups;	U+0222A U+0FE00	⋈
curarr;	U+021B7	↷
curarrm;	U+0293C	↷
curlyeqprec;	U+022DE	⋞
curlyeqsucc;	U+022DF	⋟
curlyvee;	U+022CE	⋎
curlywedge;	U+022CF	⋏
curren;	U+000A4	¤
curren	U+000A4	¤
curvearrowleft;	U+021B6	↶
curvearrowright;	U+021B7	↷
cuvee;	U+022CE	⋎
cuwed;	U+022CF	⋏
cwconint;	U+02232	∯
cwint;	U+02231	∮
cylcty;	U+0232D	◻
Dagger;	U+02021	‡
dagger;	U+02020	†
daleth;	U+02138	ד
Darr;	U+021A1	↴
dArr;	U+021D3	↵
darr;	U+02193	↓
dash;	U+02010	-
Dashv;	U+02AE4	⇨
dashv;	U+022A3	⇤
dbkarow;	U+0290F	↗
dblac;	U+002DD	˘
Dcaron;	U+0010E	Ď
dcaron;	U+0010F	ď
Dcy;	U+00414	Д
dcy;	U+00434	д
DD;	U+02145	Ɔ
dd;	U+02146	ɔ
ddagger;	U+02021	‡
ddarr;	U+021CA	⇓
DDottrahd;	U+02911	→
ddotseq;	U+02A77	≐
deg;	U+000B0	°
deg	U+000B0	°
Del;	U+02207	∇
Delta;	U+00394	Δ
delta;	U+003B4	δ
demptyv;	U+029B1	⋈
dfisht;	U+0297F	↵
Dfr;	U+1D507	Ɔ
dfr;	U+1D521	ɔ
dHar;	U+02965	↴
dharl;	U+021C3	↵
dharr;	U+021C2	↴
DiacriticalAcute;	U+000B4	´
DiacriticalDot;	U+002D9	˙
DiacriticalDoubleAcute;	U+002DD	˝
DiacriticalGrave;	U+00060	`
DiacriticalTilde;	U+002DC	˜
diam;	U+022C4	◊
Diamond;	U+022C4	◊

Name	Character(s)	Glyph
diamond;	U+022C4	◊
diamondsuit;	U+02666	♠
diams;	U+02666	♠
die;	U+000A8	¨
DifferentialD;	U+02146	<i>d</i>
digamma;	U+003DD	Ϝ
disin;	U+022F2	€
div;	U+000F7	÷
divide;	U+000F7	÷
divide	U+000F7	÷
divideontimes;	U+022C7	⋈
divonx;	U+022C7	⋈
DJcy;	U+00402	Ђ
djcy;	U+00452	ђ
dlcorn;	U+0231E	⌞
dlcrop;	U+0230D	⌝
dollar;	U+00024	\$
Dopf;	U+1D53B	ℰ
dopf;	U+1D555	ℰ
Dot;	U+000A8	¨
dot;	U+002D9	·
DotDot;	U+020DC	⋯
doteq;	U+02250	≐
doteqdot;	U+02251	≑
DotEqual;	U+02250	≐
dotminus;	U+02238	⋈
dotplus;	U+02214	⋈
dotsquare;	U+022A1	⬡
doublebarwedge;	U+02306	⋈
DoubleContourIntegral;	U+0222F	⧻
DoubleDot;	U+000A8	¨
DoubleDownArrow;	U+021D3	⇓
DoubleLeftArrow;	U+021D0	⇐
DoubleLeftRightArrow;	U+021D4	⇔
DoubleLeftTee;	U+02AE4	⇐
DoubleLongLeftArrow;	U+027F8	⇐
DoubleLongLeftRightArrow;	U+027FA	⇔
DoubleLongRightArrow;	U+027F9	⇒
DoubleRightArrow;	U+021D2	⇒
DoubleRightTee;	U+022A8	⇒
DoubleUpArrow;	U+021D1	⇑
DoubleUpDownArrow;	U+021D5	⇕
DoubleVerticalBar;	U+02225	∥
DownArrow;	U+02193	↓
Downarrow;	U+021D3	⇓
downarrow;	U+02193	↓
DownArrowBar;	U+02913	⬇
DownArrowUpArrow;	U+021F5	⇕
DownBreve;	U+00311	ḡ
downdownarrows;	U+021CA	⇓
downharpoonleft;	U+021C3	↯
downharpoonright;	U+021C2	↰
DownLeftRightVector;	U+02950	↗
DownLeftTeeVector;	U+0295E	↙
DownLeftVector;	U+021BD	↖
DownLeftVectorBar;	U+02956	↖
DownRightTeeVector;	U+0295F	↘
DownRightVector;	U+021C1	↗
DownRightVectorBar;	U+02957	↘
DownTee;	U+022A4	⌞
DownTeeArrow;	U+021A7	⌞
drbkarow;	U+02910	↗

Name	Character(s)	Glyph
drcorn;	U+0231F	┐
drcrop;	U+0230C	┐
Dscr;	U+1D49F	Ɔ
dscr;	U+1D4B9	ɔ
DScy;	U+00405	Ŧ
dscy;	U+00455	ŧ
dsol;	U+029F6	7̣
Dstrok;	U+00110	Đ
dstrok;	U+00111	đ
dtdot;	U+022F1	˙
dtri;	U+025BF	▽
dtrif;	U+025BE	▼
duarr;	U+021F5	↕
duhar;	U+0296F	↕
dwangle;	U+029A6	↘
DZcy;	U+0040F	Ɔ
dzcy;	U+0045F	ɔ
dzigrarr;	U+027FF	↘↗
Eacute;	U+000C9	É
Eacute	U+000C9	É
eacute;	U+000E9	é
eacute	U+000E9	é
easter;	U+02A6E	⋈
Ecaron;	U+0011A	Ě
ecaron;	U+0011B	ě
ecir;	U+02256	≡
Ecirc;	U+000CA	Ê
Ecirc	U+000CA	Ê
ecirc;	U+000EA	ê
ecirc	U+000EA	ê
ecolon;	U+02255	≡
Ecy;	U+0042D	Ɔ
ecy;	U+0044D	ɔ
eDDot;	U+02A77	≡
Edot;	U+00116	Ė
eDot;	U+02251	≡
edot;	U+00117	ė
ee;	U+02147	ℓ
efDot;	U+02252	≡
Efr;	U+1D508	℔
efr;	U+1D522	℔
eg;	U+02A9A	≧
Egrave;	U+000C8	È
Egrave	U+000C8	È
egrave;	U+000E8	è
egrave	U+000E8	è
egs;	U+02A96	≧
egsdot;	U+02A98	≧
el;	U+02A99	≧
Element;	U+02208	€
elinters;	U+023E7	□
ell;	U+02113	ℓ
els;	U+02A95	≧
elsdot;	U+02A97	≧
Emacr;	U+00112	Ě
emacr;	U+00113	ě
empty;	U+02205	∅
emptyset;	U+02205	∅
EmptySmallSquare;	U+025FB	□
emptyv;	U+02205	∅
EmptyVerySmallSquare;	U+025AB	◻
emsp;	U+02003	

Name	Character(s)	Glyph
emsp13;	U+02004	
emsp14;	U+02005	
ENG;	U+0014A	Ɗ
eng;	U+0014B	Ƌ
ensp;	U+02002	
Eogon;	U+00118	Ę
eogon;	U+00119	ę
Eopf;	U+1D53C	ℰ
eopf;	U+1D556	ℯ
epar;	U+022D5	#
eparsl;	U+029E3	#
eplus;	U+02A71	⌢
epsi;	U+003B5	ε
Epsilon;	U+00395	Ε
epsilon;	U+003B5	ε
epsiv;	U+003F5	ϵ
eqcirc;	U+02256	⌚
eqcolon;	U+02255	⌚
eqsim;	U+02242	≈
eqslantgtr;	U+02A96	⋗
eqslantless;	U+02A95	⋖
Equal;	U+02A75	⌵
equals;	U+0003D	=
EqualTilde;	U+02242	≈
equest;	U+0225F	⌚
Equilibrium;	U+021CC	⌚
equiv;	U+02261	≡
equivDD;	U+02A78	⌵
eqvparsl;	U+029E5	#
erarr;	U+02971	⇒
erDot;	U+02253	⌚
Escr;	U+02130	ℰ
escr;	U+0212F	ℯ
esdot;	U+02250	⌚
Esim;	U+02A73	⌵
esim;	U+02242	≈
Eta;	U+00397	Η
eta;	U+003B7	η
ETH;	U+000D0	Ð
ETH	U+000D0	Ð
eth;	U+000F0	ð
eth	U+000F0	ð
Euml;	U+000CB	Ë
Euml	U+000CB	Ë
euml;	U+000EB	ë
euml	U+000EB	ë
euro;	U+020AC	€
excl;	U+00021	!
exist;	U+02203	∃
Exists;	U+02203	∃
expectation;	U+02130	ℰ
ExponentialE;	U+02147	ℰ
exponentiale;	U+02147	ℰ
fallingdotseq;	U+02252	⋗
Fcy;	U+00424	Φ
fcy;	U+00444	φ
female;	U+02640	♀
ffilig;	U+0FB03	ffi
fflig;	U+0FB00	ff
ffllig;	U+0FB04	ffl
Ffr;	U+1D509	ƒ
ffr;	U+1D523	ƒ

Name	Character(s)	Glyph
filig;	U+0FB01	fi
FilledSmallSquare;	U+025FC	■
FilledVerySmallSquare;	U+025AA	▪
fjlig;	U+00066 U+0006A	fj
flat;	U+0266D	ḃ
fllig;	U+0FB02	fl
fltns;	U+025B1	□
fnof;	U+00192	<i>f</i>
Fopf;	U+1D53D	ℱ
fopf;	U+1D557	ℱ
ForAll;	U+02200	∀
forall;	U+02200	∀
fork;	U+022D4	ṡ
forkv;	U+02AD9	ṡ
Fouriertrf;	U+02131	ℱ
fpartint;	U+02A0D	<i>f</i>
frac12;	U+000BD	½
frac12	U+000BD	½
frac13;	U+02153	⅓
frac14;	U+000BC	¼
frac14	U+000BC	¼
frac15;	U+02155	⅓
frac16;	U+02159	⅙
frac18;	U+0215B	⅙
frac23;	U+02154	⅔
frac25;	U+02156	⅕
frac34;	U+000BE	¾
frac34	U+000BE	¾
frac35;	U+02157	⅕
frac38;	U+0215C	⅜
frac45;	U+02158	⅘
frac56;	U+0215A	⅚
frac58;	U+0215D	⅝
frac78;	U+0215E	⅞
frasl;	U+02044	/
frown;	U+02322	⤿
Fscr;	U+02131	ℱ
fscr;	U+1D4BB	ℱ
gacute;	U+001F5	ǵ
Gamma;	U+00393	Γ
gamma;	U+003B3	γ
Gammad;	U+003DC	Ɔ
gammad;	U+003DD	Ɔ
gap;	U+02A86	≧
Gbreve;	U+0011E	Ĝ
gbreve;	U+0011F	ĝ
Gcedil;	U+00122	Ğ
Gcirc;	U+0011C	Ĉ
gcirc;	U+0011D	ĉ
Gcy;	U+00413	Г
gcy;	U+00433	г
Gdot;	U+00120	Ĝ
gdot;	U+00121	ĝ
gE;	U+02267	≧
ge;	U+02265	≥
gEl;	U+02A8C	≧
gel;	U+022DB	≧
geq;	U+02265	≥
geqq;	U+02267	≧
geqslant;	U+02A7E	≥
ges;	U+02A7E	≥
gescc;	U+02AA9	⋗

Name	Character(s)	Glyph
gesdot;	U+02A80	⋗
gesdoto;	U+02A82	⋘
gesdotol;	U+02A84	⋚
gesl;	U+022DB U+0FE00	⋗
gesles;	U+02A94	⋗
Gfr;	U+1D50A	ℳ
gfr;	U+1D524	g
Gg;	U+022D9	≫
gg;	U+0226B	≫
ggg;	U+022D9	≫
gimel;	U+02137	ג
GJcy;	U+00403	ѓ
gjcy;	U+00453	ђ
gl;	U+02277	≈
gl̸;	U+02AA5	⋈
glE;	U+02A92	⋗
glj;	U+02AA4	⋈
gnap;	U+02A8A	⋗
gnapprox;	U+02A8A	⋗
gnE;	U+02269	⋗
gne;	U+02A88	≈
gneq;	U+02A88	≈
gneqq;	U+02269	⋗
gnsim;	U+022E7	≈
Gopf;	U+1D53E	ℳ
gopf;	U+1D558	ℳ
grave;	U+00060	`
GreaterEqual;	U+02265	≈
GreaterEqualLess;	U+022DB	⋗
GreaterFullEqual;	U+02267	⋗
GreaterGreater;	U+02AA2	⋗
GreaterLess;	U+02277	≈
GreaterSlantEqual;	U+02A7E	⋗
GreaterTilde;	U+02273	≈
Gscr;	U+1D4A2	ℳ
gscr;	U+0210A	g
gsim;	U+02273	≈
gsime;	U+02A8E	⋗
gsiml;	U+02A90	⋗
GT;	U+0003E	>
GT	U+0003E	>
Gt;	U+0226B	≫
gt;	U+0003E	>
gt	U+0003E	>
gtcc;	U+02AA7	▷
gtcir;	U+02A7A	⋗
gtdot;	U+022D7	▷
gtlPar;	U+02995	⋗
gtquest;	U+02A7C	⋗
gtrapprox;	U+02A86	⋗
gtrarr;	U+02978	⋗
gtrdot;	U+022D7	▷
gtreqless;	U+022DB	⋗
gtreqqless;	U+02A8C	⋗
gtrless;	U+02277	≈
gtrsim;	U+02273	≈
gvertneqq;	U+02269 U+0FE00	⋗
gvnE;	U+02269 U+0FE00	⋗
Hacek;	U+002C7	ˇ
hairsp;	U+0200A	
half;	U+000BD	½
hamilt;	U+0210B	ℋ

Name	Character(s)	Glyph
HARDcy;	U+0042A	Ḃ
hardcy;	U+0044A	Ḅ
hArr;	U+021D4	⇔
harr;	U+02194	↔
harrcir;	U+02948	↻
harrw;	U+021AD	↔↗
Hat;	U+0005E	^
hbar;	U+0210F	ℏ
Hcirc;	U+00124	Ĥ
hcirc;	U+00125	ĥ
hearts;	U+02665	♥
heartsuit;	U+02665	♥
hellip;	U+02026	...
hercon;	U+022B9	÷
Hfr;	U+0210C	ℋ
hfr;	U+1D525	ℏ
HilbertSpace;	U+0210B	ℋ
hksearow;	U+02925	↘
hkswarow;	U+02926	↙
hoarr;	U+021FF	↔
homtht;	U+0223B	≈
hookleftarrow;	U+021A9	↵
hookrightarrow;	U+021AA	↶
Hopf;	U+0210D	ℍ
hopf;	U+1D559	ℏ
horbar;	U+02015	—
HorizontalLine;	U+02500	—
Hscr;	U+0210B	ℋ
hscr;	U+1D4BD	ℏ
hslash;	U+0210F	ℏ
Hstrok;	U+00126	Ĥ
hstrok;	U+00127	ĥ
HumpDownHump;	U+0224E	⇿
HumpEqual;	U+0224F	⇌
hybull;	U+02043	-
hyphen;	U+02010	-
Iacute;	U+000CD	Í
Iacute	U+000CD	Í
iacute;	U+000ED	í
iacute	U+000ED	í
ic;	U+02063	
Icirc;	U+000CE	Î
Icirc	U+000CE	Î
icirc;	U+000EE	î
icirc	U+000EE	î
Icy;	U+00418	И
icy;	U+00438	и
Idot;	U+00130	İ
IEcy;	U+00415	Е
iecy;	U+00435	е
iexcl;	U+000A1	¡
iexcl	U+000A1	¡
iff;	U+021D4	⇔
Ifr;	U+02111	ℑ
ifr;	U+1D526	ℐ
Igrave;	U+000CC	Ì
Igrave	U+000CC	Ì
igrave;	U+000EC	ì
igrave	U+000EC	ì
ii;	U+02148	ï
iiiint;	U+02A0C	∭
iiint;	U+0222D	∫

Name	Character(s)	Glyph
iinfin;	U+029DC	∞
iiota;	U+02129	ι
IJlig;	U+00132	IJ
ijlig;	U+00133	ij
Im;	U+02111	ℑ
Imacr;	U+0012A	İ
imacr;	U+0012B	ı
image;	U+02111	ℑ
ImaginaryI;	U+02148	<i>i</i>
imagline;	U+02110	<i>ℑ</i>
imagpart;	U+02111	ℑ
imath;	U+00131	ı
imof;	U+022B7	•∞
imped;	U+001B5	ℤ
Implies;	U+021D2	⇒
in;	U+02208	∈
incare;	U+02105	%
infin;	U+0221E	∞
infintie;	U+029DD	∞
inodot;	U+00131	ı
Int;	U+0222C	∫
int;	U+0222B	∫
intcal;	U+022BA	∫
integers;	U+02124	ℤ
Integral;	U+0222B	∫
intercal;	U+022BA	∫
Intersection;	U+022C2	∩
intlarhk;	U+02A17	℔
intprod;	U+02A3C	⋈
InvisibleComma;	U+02063	
InvisibleTimes;	U+02062	
IOcy;	U+00401	Ё
iocy;	U+00451	ё
Iogon;	U+0012E	İ
iogon;	U+0012F	ı
Iopf;	U+1D540	ℐ
iopf;	U+1D55A	ℐ
Iota;	U+00399	Ι
iota;	U+003B9	ι
iproduct;	U+02A3C	⋈
iquant;	U+000BF	ι
iquant	U+000BF	ι
Iscr;	U+02110	<i>ℑ</i>
iscr;	U+1D4BE	<i>i</i>
isin;	U+02208	∈
isindot;	U+022F5	€
isinE;	U+022F9	€
isins;	U+022F4	€
isinsv;	U+022F3	€
isinv;	U+02208	∈
it;	U+02062	
Itilde;	U+00128	İ
itilde;	U+00129	ı
Iukcy;	U+00406	І
iukcy;	U+00456	і
Iuml;	U+000CF	Ï
Iuml	U+000CF	Ï
iuml;	U+000EF	ï
iuml	U+000EF	ï
Jcirc;	U+00134	Ĵ
jcirc;	U+00135	ĵ
Jcy;	U+00419	Й

Name	Character(s)	Glyph
jcy;	U+00439	й
Jfr;	U+1D50D	Ʒ
jfr;	U+1D527	ĵ
jmath;	U+00237	Ј
Jopf;	U+1D541	Ј
jopf;	U+1D55B	ј
Jscr;	U+1D4A5	Ј
jscr;	U+1D4BF	ј
Jsercy;	U+00408	Ј
jsercy;	U+00458	ј
Jukcy;	U+00404	Є
jukcy;	U+00454	є
Kappa;	U+0039A	Κ
kappa;	U+003BA	κ
kappav;	U+003F0	ϰ
Kcedil;	U+00136	Ķ
kcedil;	U+00137	ķ
Kcy;	U+0041A	К
kcy;	U+0043A	к
Kfr;	U+1D50E	Ʒ
kfr;	U+1D528	Ʒ
kgreen;	U+00138	κ
KHcy;	U+00425	Х
khcy;	U+00445	х
KJcy;	U+0040C	Ќ
kjcy;	U+0045C	ќ
Kopf;	U+1D542	℔
kopf;	U+1D55C	℔
Kscr;	U+1D4A6	℔
kscr;	U+1D4C0	℔
lAarr;	U+021DA	⇐
Lacute;	U+00139	Ĺ
lacute;	U+0013A	ĺ
laemptyv;	U+029B4	↯
lagran;	U+02112	ℒ
Lambda;	U+0039B	Λ
lambda;	U+003BB	λ
Lang;	U+027EA	⟨
lang;	U+027E8	⟨
langd;	U+02991	⟨
langle;	U+027E8	⟨
lap;	U+02A85	≈
Laplacetrnf;	U+02112	ℒ
laquo;	U+000AB	«
laquo	U+000AB	«
Larr;	U+0219E	⇐
lArr;	U+021D0	⇐
larr;	U+02190	←
larrb;	U+021E4	↵
larrbfs;	U+0291F	↵
larrfs;	U+0291D	↵
larrhk;	U+021A9	↵
larrlp;	U+021AB	↵
larrpl;	U+02939	↵
larrsim;	U+02973	↵
larrtl;	U+021A2	↵
lat;	U+02AAB	➤
lAtail;	U+0291B	↵
latail;	U+02919	↵
late;	U+02AAD	➤
lates;	U+02AAD U+0FE00	➤
lBarr;	U+0290E	↵

Name	Character(s)	Glyph
lbarr;	U+0290C	←←
lbbkr;	U+02772	(
lbrace;	U+0007B	{
lbrack;	U+0005B	[
lbrke;	U+0298B	[
lbrksld;	U+0298F	[
lbrkslu;	U+0298D	[
lcaron;	U+0013D	Ĺ
lcaron;	U+0013E	ŀ
lcedil;	U+0013B	Ł
lcedil;	U+0013C	ł
lceil;	U+02308	⌈
lcub;	U+0007B	{
lcy;	U+0041B	л
lcy;	U+0043B	п
ldca;	U+02936	↵
ldquo;	U+0201C	“
ldquor;	U+0201E	”
ldrdhar;	U+02967	↗
ldrushar;	U+0294B	↘
ldsh;	U+021B2	↯
lE;	U+02266	≦
le;	U+02264	≤
LeftAngleBracket;	U+027E8	⟨
LeftArrow;	U+02190	←
Leftarrow;	U+021D0	⇐
leftarrow;	U+02190	←
LeftArrowBar;	U+021E4	⇐̄
LeftArrowRightArrow;	U+021C6	↔
leftarrowtail;	U+021A2	↵
LeftCeiling;	U+02308	⌈
LeftDoubleBracket;	U+027E6	⟪
LeftDownTeeVector;	U+02961	↴
LeftDownVector;	U+021C3	↵
LeftDownVectorBar;	U+02959	↵̄
LeftFloor;	U+0230A	⌋
leftharpoondown;	U+021BD	↱
leftharpoonup;	U+021BC	↰
leftleftarrows;	U+021C7	⇐⇐
LeftRightArrow;	U+02194	↔
Leftrightarrow;	U+021D4	⇔
leftrightharrow;	U+02194	↔
leftrightharrows;	U+021C6	↔
leftrightharpoons;	U+021CB	↔
leftrightsquigarrow;	U+021AD	↗
LeftRightVector;	U+0294E	↗
LeftTee;	U+022A3	⊣
LeftTeeArrow;	U+021A4	↵
LeftTeeVector;	U+0295A	↵
leftthreetimes;	U+022CB	⋈
LeftTriangle;	U+022B2	◁
LeftTriangleBar;	U+029CF	◁̄
LeftTriangleEqual;	U+022B4	◁
LeftUpDownVector;	U+02951	↕
LeftUpTeeVector;	U+02960	↕
LeftUpVector;	U+021BF	↕
LeftUpVectorBar;	U+02958	↕̄
LeftVector;	U+021BC	↰
LeftVectorBar;	U+02952	↰̄
lEg;	U+02A8B	ⅴ
leg;	U+022DA	ⅴ
leq;	U+02264	≤

Name	Character(s)	Glyph
leqq;	U+02266	≪≪
leqslant;	U+02A7D	⩵
les;	U+02A7D	⩵
lescc;	U+02AA8	⩶
lesdot;	U+02A7F	⩷
lesdoto;	U+02A81	⩸
lesdotor;	U+02A83	⩹
lesg;	U+022DA U+0FE00	⩺
lesges;	U+02A93	⩻
lessapprox;	U+02A85	⩼
lessdot;	U+022D6	⩽
lesseqgtr;	U+022DA	⩾
lesseqqgtr;	U+02A8B	⩿
LessEqualGreater;	U+022DA	⩾
LessFullEqual;	U+02266	≪≪
LessGreater;	U+02276	⩿
lessgtr;	U+02276	⩿
LessLess;	U+02AA1	⩿
lesssim;	U+02272	⩿
LessSlantEqual;	U+02A7D	⩵
LessTilde;	U+02272	⩿
lfisht;	U+0297C	⩿
lfloor;	U+0230A	⌊
Lfr;	U+1D50F	ℓ
lfr;	U+1D529	ℓ
lg;	U+02276	⩿
lgE;	U+02A91	⩿
lHar;	U+02962	⩿
lhard;	U+021BD	⩿
lharu;	U+021BC	⩿
lharul;	U+0296A	⩿
lhblk;	U+02584	■
LJcy;	U+00409	Љ
ljcy;	U+00459	љ
Ll;	U+022D8	≪≪
ll;	U+0226A	≪
llarr;	U+021C7	⇐
llcorner;	U+0231E	⌋
Lleftarrow;	U+021DA	⇐
llhard;	U+0296B	⩿
lltri;	U+025FA	▷
Lmidot;	U+0013F	ℓ
lmidot;	U+00140	ℓ
lmoust;	U+023B0	∫
lmoustache;	U+023B0	∫
lnap;	U+02A89	⩼
lnapprox;	U+02A89	⩼
lnE;	U+02268	⩼
lne;	U+02A87	⩼
lneq;	U+02A87	⩼
lneqq;	U+02268	⩼
lnsim;	U+022E6	⩼
loang;	U+027EC	⌈
loarr;	U+021FD	⇑
lobrk;	U+027E6	⌈
LongLeftArrow;	U+027F5	⇐
Longleftarrow;	U+027F8	⇐
longleftarrow;	U+027F5	⇐
LongLeftRightArrow;	U+027F7	↔
Longleftrightarrow;	U+027FA	↔
longleftrightarrow;	U+027F7	↔
longmapsto;	U+027FC	↦

Name	Character(s)	Glyph
LongRightArrow;	U+027F6	→
Longrightharrow;	U+027F9	⇒
longrightharrow;	U+027F6	→
looparrowleft;	U+021AB	↶
looparrowright;	U+021AC	↷
lopar;	U+02985	⋈
Lopf;	U+1D543	ℒ
lopf;	U+1D55D	ℓ
loplus;	U+02A2D	⋈
lotimes;	U+02A34	⋈
lowast;	U+02217	*
lowbar;	U+0005F	—
LowerLeftArrow;	U+02199	↙
LowerRightArrow;	U+02198	↘
loz;	U+025CA	◊
lozenge;	U+025CA	◊
lozf;	U+029EB	⋈
lpar;	U+00028	(
lparlt;	U+02993	⋈
lrarr;	U+021C6	↔
lrcorner;	U+0231F	┐
lrhar;	U+021CB	↔
lrhard;	U+0296D	⇒
lrm;	U+0200E	
ltri;	U+022BF	△
lsaquo;	U+02039	‹
Lscr;	U+02112	ℒ
lscr;	U+1D4C1	ℓ
Lsh;	U+021B0	↶
lsh;	U+021B0	↶
lsim;	U+02272	≈
lsime;	U+02A8D	≈
lsimg;	U+02A8F	≈
lsqb;	U+0005B	[
lsquo;	U+02018	'
lsquor;	U+0201A	,
Lstrok;	U+00141	Ł
lstrok;	U+00142	ł
LT;	U+0003C	<
LT	U+0003C	<
Lt;	U+0226A	⋈
lt;	U+0003C	<
lt	U+0003C	<
ltcc;	U+02AA6	⋈
ltcir;	U+02A79	⋈
ltdot;	U+022D6	⋈
lthree;	U+022CB	⋈
ltimes;	U+022C9	⋈
ltlarr;	U+02976	⋈
ltquest;	U+02A7B	⋈
ltri;	U+025C3	◁
ltrie;	U+022B4	⋈
ltrif;	U+025C2	◁
ltrPar;	U+02996	⋈
lurdshar;	U+0294A	↶
luruhar;	U+02966	↷
lvertneqq;	U+02268 U+0FE00	≠
lvnE;	U+02268 U+0FE00	≠
macr;	U+000AF	—
macr	U+000AF	—
male;	U+02642	♂
malt;	U+02720	⌘

Name	Character(s)	Glyph
maltese;	U+02720	✠
Map;	U+02905	↗
map;	U+021A6	↗
mapsto;	U+021A6	↗
mapstodown;	U+021A7	↘
mapstoleft;	U+021A4	↖
mapstoup;	U+021A5	↗
marker;	U+025AE	■
mcomma;	U+02A29	⸗
Mcy;	U+0041C	М
mcy;	U+0043C	м
mdash;	U+02014	—
mDDot;	U+0223A	⋮
measuredangle;	U+02221	∠
MediumSpace;	U+0205F	
Mellintrf;	U+02133	ℳ
Mfr;	U+1D510	℞
mfr;	U+1D52A	℣
mho;	U+02127	Ω
micro;	U+000B5	μ
micro	U+000B5	μ
mid;	U+02223	
midast;	U+0002A	*
midcir;	U+02AF0	⊙
middot;	U+000B7	·
middot	U+000B7	·
minus;	U+02212	-
minusb;	U+0229F	⊖
minusd;	U+02238	÷
minusdu;	U+02A2A	⸗
MinusPlus;	U+02213	∓
mlcp;	U+02ADB	℥
mldr;	U+02026	…
mnplus;	U+02213	∓
models;	U+022A7	⊨
Mopf;	U+1D544	ℳ
mopf;	U+1D55E	ℴ
mp;	U+02213	∓
Mscr;	U+02133	ℳ
mscr;	U+1D4C2	℣
mstpos;	U+0223E	∞
Mu;	U+0039C	Μ
mu;	U+003BC	μ
multimap;	U+022B8	↗
mumap;	U+022B8	↗
nabla;	U+02207	∇
Nacute;	U+00143	Ń
nacute;	U+00144	ń
nang;	U+02220 U+020D2	∠
nap;	U+02249	≈
napE;	U+02A70 U+00338	≅
napid;	U+0224B U+00338	≈
napos;	U+00149	ň
napprox;	U+02249	≈
natur;	U+0266E	ℵ
natural;	U+0266E	ℵ
naturals;	U+02115	ℕ
nbsp;	U+000A0	
nbsp	U+000A0	
nbump;	U+0224E U+00338	≅
nbumpe;	U+0224F U+00338	≅
ncap;	U+02A43	⋈

Name	Character(s)	Glyph
Ncaron;	U+00147	Ñ
ncaron;	U+00148	ñ
Ncedil;	U+00145	Ț
ncedil;	U+00146	ț
ncong;	U+02247	≇
ncongdot;	U+02A6D U+00338	≇̇
ncup;	U+02A42	⊔
Ncy;	U+0041D	Ҁ
ncy;	U+0043D	Ҁ̇
ndash;	U+02013	–
ne;	U+02260	≠
nearhk;	U+02924	↯
neArr;	U+021D7	↗
nearr;	U+02197	↗̇
nearrow;	U+02197	↗̇
nedot;	U+02250 U+00338	≠̇
NegativeMediumSpace;	U+0200B	
NegativeThickSpace;	U+0200B	
NegativeThinSpace;	U+0200B	
NegativeVeryThinSpace;	U+0200B	
nequiv;	U+02262	≡
nesear;	U+02928	↷
nesim;	U+02242 U+00338	≇̇
NestedGreaterGreater;	U+0226B	≫
NestedLessLess;	U+0226A	≪
NewLine;	U+0000A	LF
nexist;	U+02204	∄
nexists;	U+02204	∄
Nfr;	U+1D511	ℱ
nfr;	U+1D52B	ℱ̇
ngE;	U+02267 U+00338	≧̇
nge;	U+02271	≧
ngeq;	U+02271	≧
ngeqq;	U+02267 U+00338	≧̇
ngeqslant;	U+02A7E U+00338	≧̸̇
nges;	U+02A7E U+00338	≧̸̇
nGg;	U+022D9 U+00338	≫̇
ngsim;	U+02275	≧̸
nGt;	U+0226B U+020D2	≫
ngt;	U+0226F	≻
ngtr;	U+0226F	≻
nGtv;	U+0226B U+00338	≫̇
nhArr;	U+021CE	↔
nharr;	U+021AE	↔̇
nhpar;	U+02AF2	⦶
ni;	U+0220B	∋
nis;	U+022FC	∋̇
nisd;	U+022FA	∋̇
niv;	U+0220B	∋
NJcy;	U+0040A	Њ
njcy;	U+0045A	Њ̇
nIArr;	U+021CD	⇐
nlarr;	U+0219A	⇐̇
nldr;	U+02025	∴
nLE;	U+02266 U+00338	≦̇
nle;	U+02270	≦
nLeftarrow;	U+021CD	⇐
nleftarrow;	U+0219A	⇐̇
nLeftrightarrow;	U+021CE	↔
nleftrightharrow;	U+021AE	↔̇
nleq;	U+02270	≦
nleqq;	U+02266 U+00338	≦̇

Name	Character(s)	Glyph
nleqslant;	U+02A7D U+00338	⩵
nles;	U+02A7D U+00338	⩵
nless;	U+0226E	⩵
nll;	U+022D8 U+00338	⩵
nlsim;	U+02274	⩵
nLt;	U+0226A U+020D2	⩵
nlt;	U+0226E	⩵
nltri;	U+022EA	⩵
nltrie;	U+022EC	⩵
nLtv;	U+0226A U+00338	⩵
nmid;	U+02224	⩵
NoBreak;	U+02060	
NonBreakingSpace;	U+000A0	
Nopf;	U+02115	⩵
nopf;	U+1D55F	⩵
Not;	U+02AEC	⩵
not;	U+000AC	⩵
not	U+000AC	⩵
NotCongruent;	U+02262	⩵
NotCupCap;	U+0226D	⩵
NotDoubleVerticalBar;	U+02226	⩵
NotElement;	U+02209	⩵
NotEqual;	U+02260	⩵
NotEqualTilde;	U+02242 U+00338	⩵
NotExists;	U+02204	⩵
NotGreater;	U+0226F	⩵
NotGreaterEqual;	U+02271	⩵
NotGreaterFullEqual;	U+02267 U+00338	⩵
NotGreaterGreater;	U+0226B U+00338	⩵
NotGreaterLess;	U+02279	⩵
NotGreaterSlantEqual;	U+02A7E U+00338	⩵
NotGreaterTilde;	U+02275	⩵
NotHumpDownHump;	U+0224E U+00338	⩵
NotHumpEqual;	U+0224F U+00338	⩵
notin;	U+02209	⩵
notindot;	U+022F5 U+00338	⩵
notinE;	U+022F9 U+00338	⩵
notinva;	U+02209	⩵
notinvb;	U+022F7	⩵
notinvc;	U+022F6	⩵
NotLeftTriangle;	U+022EA	⩵
NotLeftTriangleBar;	U+029CF U+00338	⩵
NotLeftTriangleEqual;	U+022EC	⩵
NotLess;	U+0226E	⩵
NotLessEqual;	U+02270	⩵
NotLessGreater;	U+02278	⩵
NotLessLess;	U+0226A U+00338	⩵
NotLessSlantEqual;	U+02A7D U+00338	⩵
NotLessTilde;	U+02274	⩵
NotNestedGreaterGreater;	U+02AA2 U+00338	⩵
NotNestedLessLess;	U+02AA1 U+00338	⩵
notni;	U+0220C	⩵
notniva;	U+0220C	⩵
notnivb;	U+022FE	⩵
notnivc;	U+022FD	⩵
NotPrecedes;	U+02280	⩵
NotPrecedesEqual;	U+02AAF U+00338	⩵
NotPrecedesSlantEqual;	U+022E0	⩵
NotReverseElement;	U+0220C	⩵
NotRightTriangle;	U+022EB	⩵
NotRightTriangleBar;	U+029D0 U+00338	⩵
NotRightTriangleEqual;	U+022ED	⩵

Name	Character(s)	Glyph
NotSquareSubset;	U+0228F U+00338	⊄
NotSquareSubsetEqual;	U+022E2	⊈
NotSquareSuperset;	U+02290 U+00338	⊋
NotSquareSupersetEqual;	U+022E3	⊉
NotSubset;	U+02282 U+020D2	⊂
NotSubsetEqual;	U+02288	⊆
NotSucceeds;	U+02281	⋈
NotSucceedsEqual;	U+02AB0 U+00338	⋨
NotSucceedsSlantEqual;	U+022E1	⋈̸
NotSucceedsTilde;	U+0227F U+00338	⋨̃
NotSuperset;	U+02283 U+020D2	⊃
NotSupersetEqual;	U+02289	⊇
NotTilde;	U+02241	∼
NotTildeEqual;	U+02244	≁
NotTildeFullEqual;	U+02247	≇
NotTildeTilde;	U+02249	≄
NotVerticalBar;	U+02224	‡
npar;	U+02226	‖
nparallel;	U+02226	‖
nparsl;	U+02AFD U+020E5	ℵ
npart;	U+02202 U+00338	∂
npolint;	U+02A14	∫
npr;	U+02280	⋖
nprcue;	U+022E0	⋖̸
npre;	U+02AAF U+00338	⋚
nprec;	U+02280	⋖
npreceq;	U+02AAF U+00338	⋚̸
nrArr;	U+021CF	↯
nrarr;	U+0219B	↯
nrarrc;	U+02933 U+00338	↯̸
nrarrw;	U+0219D U+00338	↯̸
nRightarrow;	U+021CF	↯
nrightarrow;	U+0219B	↯
ntri;	U+022EB	▵
ntrie;	U+022ED	▴
nsc;	U+02281	⋈
nsccue;	U+022E1	⋈̸
nsce;	U+02AB0 U+00338	⋨̸
Nscr;	U+1D4A9	ℕ
nscr;	U+1D4C3	ℵ
nshortmid;	U+02224	‡
nshortparallel;	U+02226	‖
nsim;	U+02241	∼
nsime;	U+02244	≁
nsimeq;	U+02244	≁
nsmid;	U+02224	‡
nspar;	U+02226	‖
nsqsube;	U+022E2	⊈
nsqsupe;	U+022E3	⊉
nsub;	U+02284	⊂
nsubE;	U+02AC5 U+00338	⊄
nsube;	U+02288	⊆
nsubset;	U+02282 U+020D2	⊂
nsubsetq;	U+02288	⊆
nsubsetqq;	U+02AC5 U+00338	⊄
nsucc;	U+02281	⋈
nsucceq;	U+02AB0 U+00338	⋨̸
nsup;	U+02285	⊃
nsupE;	U+02AC6 U+00338	⊅
nsupe;	U+02289	⊇
nsupset;	U+02283 U+020D2	⊃
nsupseteq;	U+02289	⊇

Name	Character(s)	Glyph
nsupseteqq;	U+02AC6 U+00338	≧≧
ntgl;	U+02279	⚡
Ntilde;	U+000D1	Ñ
Ntilde	U+000D1	Ñ
ntilde;	U+000F1	ñ
ntilde	U+000F1	ñ
ntlg;	U+02278	⚡
ntriangleleft;	U+022EA	⋈
ntrianglelefteq;	U+022EC	⋈
ntriangleright;	U+022EB	⋈
ntrianglerighteq;	U+022ED	⋈
Nu;	U+0039D	Ν
nu;	U+003BD	ν
num;	U+00023	#
numero;	U+02116	№
numsp;	U+02007	
nvap;	U+0224D U+020D2	≧
nVDash;	U+022AF	⋈
nVdash;	U+022AE	⋈
nvDash;	U+022AD	⋈
nvdash;	U+022AC	⋈
nvge;	U+02265 U+020D2	≥
nvgt;	U+0003E U+020D2	>□
nvHarr;	U+02904	↔
nv infin;	U+029DE	⊞
nv lArr;	U+02902	⇐
nvle;	U+02264 U+020D2	≤
nvlt;	U+0003C U+020D2	<□
nvltrle;	U+022B4 U+020D2	⩽
nvrArr;	U+02903	⇒
nvrtrie;	U+022B5 U+020D2	⩾
nv sim;	U+0223C U+020D2	∼
nwarhk;	U+02923	↗
nwArr;	U+021D6	↖
nwarr;	U+02196	↖
nwarrow;	U+02196	↖
nwnear;	U+02927	↗
Oacute;	U+000D3	Ó
Oacute	U+000D3	Ó
oacute;	U+000F3	ó
oacute	U+000F3	ó
oast;	U+0229B	⊖
ocir;	U+0229A	⊖
Ocirc;	U+000D4	Ô
Ocirc	U+000D4	Ô
ocirc;	U+000F4	ô
ocirc	U+000F4	ô
Ocy;	U+0041E	О
ocy;	U+0043E	о
odash;	U+0229D	⊖
Odblac;	U+00150	Ů
odblac;	U+00151	ů
odiv;	U+02A38	⊖
odot;	U+02299	⊙
odsold;	U+029BC	⊗
OElig;	U+00152	Œ
oelig;	U+00153	œ
ofcir;	U+029BF	⊙
Ofr;	U+1D512	ℴ
ofr;	U+1D52C	ℴ
ogon;	U+002DB	Ł
Ograve;	U+000D2	Ô

Name	Character(s)	Glyph
Ograve	U+000D2	Ö
ograve;	U+000F2	ò
ograve	U+000F2	ò
ogt;	U+029C1	⊙
ohbar;	U+029B5	⊖
ohm;	U+003A9	Ω
oint;	U+0222E	ϕ
olarr;	U+021BA	↵
olcir;	U+029BE	⊙
olcross;	U+029BB	⊗
oline;	U+0203E	-
olt;	U+029C0	⊙
Omacr;	U+0014C	Ō
omacr;	U+0014D	ō
Omega;	U+003A9	Ω
omega;	U+003C9	ω
Omicron;	U+0039F	Ο
omicron;	U+003BF	ο
omid;	U+029B6	⊙
ominus;	U+02296	⊖
Oopf;	U+1D546	⓪
oopf;	U+1D560	Ⓜ
opar;	U+029B7	⓪
OpenCurlyDoubleQuote;	U+0201C	"
OpenCurlyQuote;	U+02018	'
operp;	U+029B9	⓪
oplus;	U+02295	⊕
Or;	U+02A54	ℴ
or;	U+02228	∨
orarr;	U+021BB	↻
ord;	U+02A5D	ℴ
order;	U+02134	ℴ
orderof;	U+02134	ℴ
ordf;	U+000AA	ª
ordf	U+000AA	ª
ordm;	U+000BA	º
ordm	U+000BA	º
origof;	U+022B6	ℴ
oror;	U+02A56	ℴ
orslope;	U+02A57	ℴ
orv;	U+02A5B	ℴ
oS;	U+024C8	Ⓢ
Oscr;	U+1D4AA	ℴ
oscr;	U+02134	ℴ
Oslash;	U+000D8	Ø
Oslash	U+000D8	Ø
oslash;	U+000F8	ø
oslash	U+000F8	ø
osol;	U+02298	⊘
Otilde;	U+000D5	Õ
Otilde	U+000D5	Õ
otilde;	U+000F5	õ
otilde	U+000F5	õ
Otimes;	U+02A37	⊗
otimes;	U+02297	⊗
otimesas;	U+02A36	⊗
Ouml;	U+000D6	Ö
Ouml	U+000D6	Ö
ouml;	U+000F6	ö
ouml	U+000F6	ö
ovbar;	U+0233D	⓪
OverBar;	U+0203E	-

Name	Character(s)	Glyph
OverBrace;	U+023DE	$\overbrace{}$
OverBracket;	U+023B4	$\overbrace{}$
OverParenthesis;	U+023DC	$\overbrace{}$
par;	U+02225	\parallel
para;	U+000B6	\P
para	U+000B6	\P
parallel;	U+02225	\parallel
parsim;	U+02AF3	$\#$
parsl;	U+02AFD	$\#$
part;	U+02202	∂
PartialD;	U+02202	∂
Pcy;	U+0041F	Π
pcy;	U+0043F	π
percnt;	U+00025	$\%$
period;	U+0002E	$.$
permil;	U+02030	‰
perp;	U+022A5	\perp
pertenk;	U+02031	‰‰
Pfr;	U+1D513	\mathfrak{P}
pfr;	U+1D52D	\mathfrak{p}
Phi;	U+003A6	Φ
phi;	U+003C6	φ
phiv;	U+003D5	ϕ
phmmat;	U+02133	\mathcal{M}
phone;	U+0260E	\mathfrak{P}
Pi;	U+003A0	Π
pi;	U+003C0	π
pitchfork;	U+022D4	\pitchfork
piv;	U+003D6	ϖ
planck;	U+0210F	\hbar
planckh;	U+0210E	\hbar
plankv;	U+0210F	\hbar
plus;	U+0002B	$+$
plusacir;	U+02A23	$\dot{+}$
plusb;	U+0229E	\boxplus
pluscir;	U+02A22	$\dot{+}$
plusdo;	U+02214	$\dot{+}$
plusdu;	U+02A25	$\dot{+}$
pluse;	U+02A72	\pm
PlusMinus;	U+000B1	\pm
plusrmn;	U+000B1	\pm
plusrmn	U+000B1	\pm
plussim;	U+02A26	$\dot{+}$
plustwo;	U+02A27	$\dot{+}$
pm;	U+000B1	\pm
Poincareplane;	U+0210C	\mathfrak{P}
pointint;	U+02A15	\oint
Popf;	U+02119	\mathbb{P}
popf;	U+1D561	\mathbb{P}
pound;	U+000A3	\pounds
pound	U+000A3	\pounds
Pr;	U+02ABB	\ll
pr;	U+0227A	\prec
prap;	U+02AB7	\approx
prcue;	U+0227C	\approx
prE;	U+02AB3	\approx
pre;	U+02AAF	\prec
prec;	U+0227A	\prec
precapprox;	U+02AB7	\approx
preccurlyeq;	U+0227C	\approx
Precedes;	U+0227A	\prec
PrecedesEqual;	U+02AAF	\preceq

Name	Character(s)	Glyph
PrecedesSlantEqual;	U+0227C	⋈
PrecedesTilde;	U+0227E	⋈
preceq;	U+02AAF	⋈
precnapprox;	U+02AB9	⋈
precneqq;	U+02AB5	⋈
precnsim;	U+022E8	⋈
precsim;	U+0227E	⋈
Prime;	U+02033	′
prime;	U+02032	′
primes;	U+02119	ℙ
prnap;	U+02AB9	⋈
prnE;	U+02AB5	⋈
prnsim;	U+022E8	⋈
prod;	U+0220F	∏
Product;	U+0220F	∏
profalar;	U+0232E	⌢
proflin;	U+02312	⌢
profsurf;	U+02313	⌢
prop;	U+0221D	∝
Proportion;	U+02237	::
Proportional;	U+0221D	∝
propto;	U+0221D	∝
prsim;	U+0227E	⋈
prurel;	U+022B0	↯
Pscr;	U+1D4AB	ℙ
pscr;	U+1D4C5	ℙ
Psi;	U+003A8	Ψ
psi;	U+003C8	ψ
puncsp;	U+02008	
Qfr;	U+1D514	ℚ
qfr;	U+1D52E	q
qint;	U+02A0C	ℚ
Qopf;	U+0211A	ℚ
qopf;	U+1D562	ℚ
qprime;	U+02057	′
Qscr;	U+1D4AC	ℚ
qscr;	U+1D4C6	ℚ
quaternions;	U+0210D	ℍ
quatint;	U+02A16	ℚ
quest;	U+0003F	?
questeq;	U+0225F	≐
QUOT;	U+00022	"
QUOT	U+00022	"
quot;	U+00022	"
quot	U+00022	"
rAarr;	U+021DB	⇒
race;	U+0223D U+00331	≈
Racute;	U+00154	Ŕ
racute;	U+00155	ŕ
radic;	U+0221A	√
raemptyv;	U+029B3	∅
Rang;	U+027EB	⟩
rang;	U+027E9)
rangd;	U+02992	⟩
range;	U+029A5	≥
rangle;	U+027E9)
raquo;	U+000BB	»
raquo	U+000BB	»
Rarr;	U+021A0	⇒
rArr;	U+021D2	⇒
rarr;	U+02192	→
rarrap;	U+02975	⇒

Name	Character(s)	Glyph
rarrb;	U+021E5	↗
rarrbfs;	U+02920	↗↗
rarrc;	U+02933	↗↗
rarrfs;	U+0291E	↗↗
rarrhk;	U+021AA	↗↗
rarrlp;	U+021AC	↗↗
rarrpl;	U+02945	↗↗
rarrsim;	U+02974	⇒
Rarrtl;	U+02916	↗↗
rarrtl;	U+021A3	↗↗
rarrw;	U+0219D	↗↗
rAtail;	U+0291C	↗↗
ratail;	U+0291A	↗↗
ratio;	U+02236	:
rational;	U+0211A	Q
RBarr;	U+02910	↗↗
rBarr;	U+0290F	↗↗
rbarr;	U+0290D	↗↗
rbbrk;	U+02773)
rbrace;	U+0007D	}
rbrack;	U+0005D]
rbrke;	U+0298C]
rbrksld;	U+0298E]
rbrkslu;	U+02990]
Rcaron;	U+00158	Ř
rcaron;	U+00159	ř
Rcedil;	U+00156	Ŕ
rcedil;	U+00157	ř
rceil;	U+02309	
rcub;	U+0007D	}
Rcy;	U+00420	Р
rcy;	U+00440	р
rdca;	U+02937	↳
rdldhar;	U+02969	⇨
rdquo;	U+0201D	"
rdquor;	U+0201D	"
rdsh;	U+021B3	↳
Re;	U+0211C	℞
real;	U+0211C	℞
realine;	U+0211B	℞
realpart;	U+0211C	℞
reals;	U+0211D	℞
rect;	U+025AD	□
REG;	U+000AE	®
REG	U+000AE	®
reg;	U+000AE	®
reg	U+000AE	®
ReverseElement;	U+0220B	∋
ReverseEquilibrium;	U+021CB	⇌
ReverseUpEquilibrium;	U+0296F	⇌
rfisht;	U+0297D	↗
rfloor;	U+0230B	
Rfr;	U+0211C	℞
rfr;	U+1D52F	℞
rHar;	U+02964	⇒
rhard;	U+021C1	→
rharu;	U+021C0	→
rharul;	U+0296C	⇒
Rho;	U+003A1	ρ
rho;	U+003C1	ρ
rhov;	U+003F1	ρ
RightAngleBracket;	U+027E9)

Name	Character(s)	Glyph
RightArrow;	U+02192	→
Rightarrow;	U+021D2	⇒
rightarrow;	U+02192	→
RightArrowBar;	U+021E5	↠
RightArrowLeftArrow;	U+021C4	↔
rightarrowtail;	U+021A3	↗
RightCeiling;	U+02309	⌈
RightDoubleBracket;	U+027E7	⌋
RightDownTeeVector;	U+0295D	⌞
RightDownVector;	U+021C2	↘
RightDownVectorBar;	U+02955	⌚
RightFloor;	U+0230B	⌋
righttharpoondown;	U+021C1	↘
righttharpoonup;	U+021C0	↗
rightleftarrows;	U+021C4	↔
rightleftharpoons;	U+021CC	⇔
rightrightarrowarrows;	U+021C9	⇒
rightsquigarrow;	U+0219D	↗
RightTee;	U+022A2	⊢
RightTeeArrow;	U+021A6	↗
RightTeeVector;	U+0295B	⊢
rightthreetimes;	U+022CC	⋈
RightTriangle;	U+022B3	▷
RightTriangleBar;	U+029D0	▵
RightTriangleEqual;	U+022B5	▵
RightUpDownVector;	U+0294F	↕
RightUpTeeVector;	U+0295C	⌞
RightUpVector;	U+021BE	↗
RightUpVectorBar;	U+02954	⌞
RightVector;	U+021C0	↗
RightVectorBar;	U+02953	↗
ring;	U+002DA	◌̇
risingdotseq;	U+02253	⋈
rlarr;	U+021C4	↔
rlhar;	U+021CC	⇔
rlm;	U+0200F	
rmoust;	U+023B1	⌋
rmoustache;	U+023B1	⌋
rnmid;	U+02AE E	⌋
roang;	U+027ED	⌋
roarr;	U+021FE	→
robrk;	U+027E7	⌋
ropar;	U+02986)
Ropf;	U+0211D	ℝ
ropf;	U+1D563	ℝ
roplus;	U+02A2E	⊕
rotimes;	U+02A35	⊗
RoundImplies;	U+02970	⇒
rpar;	U+00029)
rpargt;	U+02994	➤
rppolint;	U+02A12	∫
rrarr;	U+021C9	⇒
Rrightarrow;	U+021DB	⇒
rsaquo;	U+0203A	›
Rscr;	U+0211B	ℛ
rscr;	U+1D4C7	ℛ
Rsh;	U+021B1	℞
rsh;	U+021B1	℞
rsqb;	U+0005D]
rsquo;	U+02019	'
rsquor;	U+02019	'
rthree;	U+022CC	⋈

Name	Character(s)	Glyph
rtimes;	U+022CA	⋈
rtri;	U+025B9	▸
rtrie;	U+022B5	⋇
rtrif;	U+025B8	▹
rtriltri;	U+029CE	⋈
RuleDelayed;	U+029F4	⋮→
ruluhar;	U+02968	⋈
rx;	U+0211E	℞
Sacute;	U+0015A	Ś
sacute;	U+0015B	ś
sbquo;	U+0201A	‚
Sc;	U+02ABC	⋈
sc;	U+0227B	⋈
scap;	U+02AB8	⋈
Scaron;	U+00160	Š
scaron;	U+00161	š
sccue;	U+0227D	⋈
scE;	U+02AB4	⋈
sce;	U+02AB0	⋈
Scedil;	U+0015E	Œ
scedil;	U+0015F	œ
Scirc;	U+0015C	Š
scirc;	U+0015D	š
scnap;	U+02ABA	⋈
scnE;	U+02AB6	⋈
scnsim;	U+022E9	⋈
scpolint;	U+02A13	⋈
scsim;	U+0227F	⋈
Scy;	U+00421	С
scy;	U+00441	с
sdot;	U+022C5	⋅
sdotb;	U+022A1	⋈
sdote;	U+02A66	⋈
searhk;	U+02925	⋈
seArr;	U+021D8	⋈
searr;	U+02198	⋈
searrow;	U+02198	⋈
sect;	U+000A7	§
sect	U+000A7	§
semi;	U+0003B	;
seswar;	U+02929	⋈
setminus;	U+02216	\
setmn;	U+02216	\
sext;	U+02736	✱
Sfr;	U+1D516	⋈
sfr;	U+1D530	⋈
sfrown;	U+02322	⋈
sharp;	U+0266F	♯
SHCHcy;	U+00429	Щ
shchcy;	U+00449	щ
SHcy;	U+00428	Ш
shcy;	U+00448	ш
ShortDownArrow;	U+02193	↓
ShortLeftArrow;	U+02190	←
shortmid;	U+02223	
shortparallel;	U+02225	
ShortRightArrow;	U+02192	→
ShortUpArrow;	U+02191	↑
shy;	U+000AD	
shy	U+000AD	
Sigma;	U+003A3	Σ
sigma;	U+003C3	σ

Name	Character(s)	Glyph
sigmaf;	U+003C2	ς
sigmav;	U+003C2	ς
sim;	U+0223C	~
simdot;	U+02A6A	˘
sime;	U+02243	≈
simeq;	U+02243	≈
simg;	U+02A9E	≈
simgE;	U+02AA0	≈
siml;	U+02A9D	≈
simlE;	U+02A9F	≈
simne;	U+02246	≉
simplus;	U+02A24	‡
simrarr;	U+02972	⇒
slarr;	U+02190	←
SmallCircle;	U+02218	◦
smallsetminus;	U+02216	\
smashp;	U+02A33	*
smeparsl;	U+029E4	#
smid;	U+02223	
smile;	U+02323	⌣
smt;	U+02AAA	≪
smte;	U+02AAC	≦
smtes;	U+02AAC U+0FE00	≦
SOFTcy;	U+0042C	Ḅ
softcy;	U+0044C	Ḅ
sol;	U+0002F	/
solb;	U+029C4	∅
solbar;	U+0233F	≠
Sopf;	U+1D54A	ℳ
sopf;	U+1D564	ℳ
spades;	U+02660	♠
spadesuit;	U+02660	♠
spar;	U+02225	
sqcap;	U+02293	⊏
sqcaps;	U+02293 U+0FE00	⊏
sqcup;	U+02294	⊔
sqcups;	U+02294 U+0FE00	⊔
Sqrt;	U+0221A	√
sqsub;	U+0228F	⊂
sqsube;	U+02291	⊆
sqsubset;	U+0228F	⊂
sqsubseteq;	U+02291	⊆
sqsup;	U+02290	⊃
sqsupe;	U+02292	⊇
sqsupset;	U+02290	⊃
sqsupseteq;	U+02292	⊇
squ;	U+025A1	□
Square;	U+025A1	□
square;	U+025A1	□
SquareIntersection;	U+02293	⊏
SquareSubset;	U+0228F	⊂
SquareSubsetEqual;	U+02291	⊆
SquareSuperset;	U+02290	⊃
SquareSupersetEqual;	U+02292	⊇
SquareUnion;	U+02294	⊔
squarf;	U+025AA	▪
squf;	U+025AA	▪
srarr;	U+02192	→
Sscr;	U+1D4AE	ℳ
sscr;	U+1D4C8	ℳ
ssetmn;	U+02216	\
ssmile;	U+02323	⌣

Name	Character(s)	Glyph
sstarf;	U+022C6	★
Star;	U+022C6	★
star;	U+02606	☆
starf;	U+02605	★
straightepsilon;	U+003F5	ε
straightphi;	U+003D5	φ
strns;	U+000AF	—
Sub;	U+022D0	ℰ
sub;	U+02282	⊂
subdot;	U+02ABD	⊆
subE;	U+02AC5	⊋
sube;	U+02286	⊆
subedot;	U+02AC3	⊆
submult;	U+02AC1	⊆
subnE;	U+02ACB	⊋
subne;	U+0228A	⊆
subplus;	U+02ABF	⊆
subrarr;	U+02979	↪
Subset;	U+022D0	ℰ
subset;	U+02282	⊂
subseteq;	U+02286	⊆
subseteqq;	U+02AC5	⊋
SubsetEqual;	U+02286	⊆
subsetneq;	U+0228A	⊆
subsetneqq;	U+02ACB	⊋
subsim;	U+02AC7	⊆
subsub;	U+02AD5	⊂
subsup;	U+02AD3	⊃
succ;	U+0227B	⋻
succapprox;	U+02AB8	⋻
succcurlyeq;	U+0227D	⋻
Succeeds;	U+0227B	⋻
SucceedsEqual;	U+02AB0	⋻
SucceedsSlantEqual;	U+0227D	⋻
SucceedsTilde;	U+0227F	⋻
succeq;	U+02AB0	⋻
succnapprox;	U+02ABA	⋻
succneqq;	U+02AB6	⋻
succnsim;	U+022E9	⋻
succsim;	U+0227F	⋻
SuchThat;	U+0220B	∋
Sum;	U+02211	∑
sum;	U+02211	∑
sung;	U+0266A	♪
Sup;	U+022D1	ℰ
sup;	U+02283	⊃
sup1;	U+000B9	¹
sup1	U+000B9	¹
sup2;	U+000B2	²
sup2	U+000B2	²
sup3;	U+000B3	³
sup3	U+000B3	³
supdot;	U+02ABE	⊃
supdsub;	U+02AD8	⊃
supE;	U+02AC6	⊋
supe;	U+02287	⊃
supedot;	U+02AC4	⊃
Superset;	U+02283	⊃
SupersetEqual;	U+02287	⊃
suphsol;	U+027C9	⊃
suphsub;	U+02AD7	⊃
suplarr;	U+0297B	↵

Name	Character(s)	Glyph
supmult;	U+02AC2	↯
supnE;	U+02ACC	≡
supne;	U+0228B	↯
supplus;	U+02AC0	↯
Supset;	U+022D1	⊃
supset;	U+02283	⊃
supseteq;	U+02287	⊃
supseteqq;	U+02AC6	≡
supsetneq;	U+0228B	↯
supsetneqq;	U+02ACC	≡
supsim;	U+02AC8	↯
supsub;	U+02AD4	⊂
supsup;	U+02AD6	⊃
swarhk;	U+02926	↯
swArr;	U+021D9	↯
swarr;	U+02199	↯
swarrow;	U+02199	↯
swnwar;	U+0292A	↯
szlig;	U+000DF	ß
szlig	U+000DF	ß
Tab;	U+00009	HT
target;	U+02316	÷
Tau;	U+003A4	Τ
tau;	U+003C4	τ
tbrk;	U+023B4	↯
Tcaron;	U+00164	ť
tcaron;	U+00165	ť
Tcedil;	U+00162	Ť
tcedil;	U+00163	ť
Tcy;	U+00422	Т
tcy;	U+00442	т
tdot;	U+020DB	⋯
telrec;	U+02315	ρ
Tfr;	U+1D517	ƒ
tfr;	U+1D531	ƒ
there4;	U+02234	∴
Therefore;	U+02234	∴
therefore;	U+02234	∴
Theta;	U+00398	Θ
theta;	U+003B8	θ
thetasym;	U+003D1	ϑ
thetav;	U+003D1	ϑ
thickapprox;	U+02248	≈
thicksim;	U+0223C	∼
ThickSpace;	U+0205F U+0200A	
thinsp;	U+02009	
ThinSpace;	U+02009	
thkap;	U+02248	≈
thksim;	U+0223C	∼
THORN;	U+000DE	þ
THORN	U+000DE	þ
thorn;	U+000FE	þ
thorn	U+000FE	þ
Tilde;	U+0223C	∼
tilde;	U+002DC	˘
TildeEqual;	U+02243	≈
TildeFullEqual;	U+02245	≅
TildeTilde;	U+02248	≈
times;	U+000D7	×
times	U+000D7	×
timesb;	U+022A0	⊗
timesbar;	U+02A31	⊗

Name	Character(s)	Glyph
timesd;	U+02A30	×
tint;	U+0222D	ƒ
toea;	U+02928	⌘
top;	U+022A4	⌞
topbot;	U+02336	⌞
topcir;	U+02AF1	⌠
Topf;	U+1D54B	⌢
topf;	U+1D565	⌣
topfork;	U+02ADA	⌤
tosa;	U+02929	⌥
tprime;	U+02034	⌦
TRADE;	U+02122	™
trade;	U+02122	™
triangle;	U+025B5	△
triangledown;	U+025BF	▽
triangleleft;	U+025C3	◁
trianglelefteq;	U+022B4	⊲
triangleq;	U+0225C	≐
triangleright;	U+025B9	▷
trianglerighteq;	U+022B5	⊳
tridot;	U+025EC	△
trie;	U+0225C	≐
triminus;	U+02A3A	△
TripleDot;	U+020DB	⋯
triplus;	U+02A39	△
trisb;	U+029CD	△
tritime;	U+02A3B	△
trpezium;	U+023E2	□
Tscr;	U+1D4AF	℣
tscr;	U+1D4C9	ℤ
TScy;	U+00426	Ц
tscy;	U+00446	ц
TSHcy;	U+0040B	Ѣ
tshcy;	U+0045B	ѣ
Tstrok;	U+00166	Ѧ
tstrok;	U+00167	ѧ
twixt;	U+0226C	⋈
twoheadleftarrow;	U+0219E	↵
twoheadrightarrow;	U+021A0	➞
Uacute;	U+000DA	Ú
Uacute	U+000DA	Ú
uacute;	U+000FA	ú
uacute	U+000FA	ú
Uarr;	U+0219F	↶
uArr;	U+021D1	↗
uarr;	U+02191	↑
Uarroccir;	U+02949	⤿
Ubrcy;	U+0040E	Ѥ
ubrcy;	U+0045E	ѥ
Ubreve;	U+0016C	Ů
ubreve;	U+0016D	ů
Ucirc;	U+000DB	Ů
Ucirc	U+000DB	Ů
ucirc;	U+000FB	ů
ucirc	U+000FB	ů
Ucy;	U+00423	У
ucy;	U+00443	у
udarr;	U+021C5	↗
Udblac;	U+00170	Ů
udblac;	U+00171	ů
udhar;	U+0296E	↗
ufisht;	U+0297E	ϣ

Name	Character(s)	Glyph
Ufr;	U+1D518	Ů
ufr;	U+1D532	u
Ugrave;	U+000D9	Ù
Ugrave	U+000D9	Ù
ugrave;	U+000F9	ù
ugrave	U+000F9	ù
uHar;	U+02963	↑
uharl;	U+021BF	1
uharr;	U+021BE	↑
uhblk;	U+02580	■
ulcorn;	U+0231C	┐
ulcorner;	U+0231C	┐
ulcrop;	U+0230F	┐
ultri;	U+025F8	↗
Umacr;	U+0016A	Ů
umacr;	U+0016B	ū
uml;	U+000A8	ˆ
uml	U+000A8	ˆ
UnderBar;	U+0005F	—
UnderBrace;	U+023DF	⏟
UnderBracket;	U+023B5	└
UnderParenthesis;	U+023DD	⏟
Union;	U+022C3	∪
UnionPlus;	U+0228E	⋈
Uogon;	U+00172	Ů
uogon;	U+00173	u
Uopf;	U+1D54C	⏐
uopf;	U+1D566	⏐
UpArrow;	U+02191	↑
Uparrow;	U+021D1	↑
uparrow;	U+02191	↑
UpArrowBar;	U+02912	⤴
UpArrowDownArrow;	U+021C5	↕
UpDownArrow;	U+02195	↕
Updownarrow;	U+021D5	↕
updownarrow;	U+02195	↕
UpEquilibrium;	U+0296E	⤵
upharpoonleft;	U+021BF	1
upharpoonright;	U+021BE	↑
uplus;	U+0228E	⋈
UpperLeftArrow;	U+02196	↖
UpperRightArrow;	U+02197	↗
Upsi;	U+003D2	Υ
upsi;	U+003C5	υ
upsih;	U+003D2	Υ
Upsilon;	U+003A5	Υ
upsilon;	U+003C5	υ
UpTee;	U+022A5	⊥
UpTeeArrow;	U+021A5	⤴
upuparrows;	U+021C8	↗
urcorn;	U+0231D	┐
urcorner;	U+0231D	┐
urcrop;	U+0230E	┐
Uring;	U+0016E	Ů
uring;	U+0016F	ū
urtri;	U+025F9	↘
Uscr;	U+1D4B0	Ů
uscr;	U+1D4CA	u
utdot;	U+022F0	˙
Utilde;	U+00168	Ů
utilde;	U+00169	ū
utri;	U+025B5	^

Name	Character(s)	Glyph
utrif;	U+025B4	⤵
uuarrr;	U+021C8	↗↗
Uuml;	U+000DC	Ü
Uuml	U+000DC	Ü
uuml;	U+000FC	ü
uuml	U+000FC	ü
uwangle;	U+029A7	↘
vangrt;	U+0299C	↱
varepsilon;	U+003F5	ε
varkappa;	U+003F0	κ
varnothing;	U+02205	∅
varphi;	U+003D5	φ
varpi;	U+003D6	ϖ
varpropto;	U+0221D	∝
vArr;	U+021D5	↕
varr;	U+02195	↗
varrho;	U+003F1	ϱ
varsigma;	U+003C2	ς
varsubsetneq;	U+0228A U+0FE00	⊆
varsubsetneqq;	U+02ACB U+0FE00	⊆
varsupsetneq;	U+0228B U+0FE00	⊇
varsupsetneqq;	U+02ACC U+0FE00	⊇
vartheta;	U+003D1	θ
vartriangleleft;	U+022B2	◁
vartriangleright;	U+022B3	▷
Vbar;	U+02AEB	⌋
vBar;	U+02AE8	⌌
vBarv;	U+02AE9	⌍
Vcy;	U+00412	В
vcy;	U+00432	в
VDash;	U+022AB	⌋=
Vdash;	U+022A9	⌋-
vDash;	U+022A8	⌋=
vdash;	U+022A2	⌋-
Vdashl;	U+02AE6	⌋-
Vee;	U+022C1	∨
vee;	U+02228	∨
veebar;	U+022BB	∨
veeeq;	U+0225A	≍
vellip;	U+022EE	⋮
Verbar;	U+02016	⌚
verbar;	U+0007C	
Vert;	U+02016	⌚
vert;	U+0007C	
VerticalBar;	U+02223	
VerticalLine;	U+0007C	
VerticalSeparator;	U+02758	
VerticalTilde;	U+02240	⋮
VeryThinSpace;	U+0200A	
Vfr;	U+1D519	Ⅎ
vfr;	U+1D533	ℳ
vltri;	U+022B2	◁
vnsup;	U+02282 U+020D2	⊃
vnsup;	U+02283 U+020D2	⊃
Vopf;	U+1D54D	ℴ
vopf;	U+1D567	ℴ
vprop;	U+0221D	∝
vrtri;	U+022B3	▷
Vscr;	U+1D4B1	ℴ
vscr;	U+1D4CB	ℴ
vsubnE;	U+02ACB U+0FE00	⊆
vsubne;	U+0228A U+0FE00	⊆

Name	Character(s)	Glyph
vsupnE;	U+02ACC U+0FE00	𐌶𐌵
vsupne;	U+0228B U+0FE00	𐌶𐌵
Vvdash;	U+022AA	𐌶𐌵
vzigzag;	U+0299A	𐌶𐌵
Wcirc;	U+00174	Ŵ
wcirc;	U+00175	ŵ
wedbar;	U+02A5F	⋔
Wedge;	U+022C0	⋔
wedge;	U+02227	⋔
wedgeq;	U+02259	⋔
weierp;	U+02118	℘
Wfr;	U+1D51A	𐌵
wfr;	U+1D534	𐌵
Wopf;	U+1D54E	𐌵
wopf;	U+1D568	𐌵
wp;	U+02118	℘
wr;	U+02240	⋔
wreath;	U+02240	⋔
Wscr;	U+1D4B2	𐌵
wscr;	U+1D4CC	𐌵
xcap;	U+022C2	⋔
xcirc;	U+025EF	⊙
xcup;	U+022C3	⋔
xdtri;	U+025BD	▽
Xfr;	U+1D51B	𐌶
xfr;	U+1D535	𐌶
xhArr;	U+027FA	↔
xharr;	U+027F7	↔
Xi;	U+0039E	Ξ
xi;	U+003BE	ξ
xlArr;	U+027F8	⇐
xlarr;	U+027F5	⇐
xmap;	U+027FC	↦
xnis;	U+022FB	⊃
xodot;	U+02A00	⊙
Xopf;	U+1D54F	𐌶
xopf;	U+1D569	𐌶
xoplus;	U+02A01	⊕
xotime;	U+02A02	⊗
xrArr;	U+027F9	⇒
xrarr;	U+027F6	→
Xscr;	U+1D4B3	𐌶
xscr;	U+1D4CD	𐌶
xsqcup;	U+02A06	⊔
xuplus;	U+02A04	⊕
xutri;	U+025B3	△
xvee;	U+022C1	⋔
xwedge;	U+022C0	⋔
Yacute;	U+000DD	Ÿ
Yacute	U+000DD	Ÿ
yacute;	U+000FD	ÿ
yacute	U+000FD	ÿ
YAcy;	U+0042F	Я
yacy;	U+0044F	я
Ycirc;	U+00176	Ŷ
ycirc;	U+00177	ŷ
Ycy;	U+0042B	Ы
ycy;	U+0044B	ы
yen;	U+000A5	¥
yen	U+000A5	¥
Yfr;	U+1D51C	𐌶
yfr;	U+1D536	𐌶

Name	Character(s)	Glyph
YIcy;	U+00407	Ÿ
yicy;	U+00457	ÿ
Yopf;	U+1D550	Ŷ
yopf;	U+1D56A	ŷ
Yscr;	U+1D4B4	Ÿ
yscr;	U+1D4CE	Ź
YUcy;	U+0042E	Ю
yucy;	U+0044E	ю
Yuml;	U+00178	Ÿ
yuml;	U+000FF	ÿ
yuml	U+000FF	ÿ
Zacute;	U+00179	Ž
zacute;	U+0017A	ž
Zcaron;	U+0017D	Ž
zcaron;	U+0017E	ž
Zcy;	U+00417	З
zcy;	U+00437	з
Zdot;	U+0017B	Ž
zdot;	U+0017C	ž
zeetrf;	U+02128	Ʒ
ZeroWidthSpace;	U+0200B	
Zeta;	U+00396	Ζ
zeta;	U+003B6	ζ
Zfr;	U+02128	Ʒ
zfr;	U+1D537	Ʒ
ZHcy;	U+00416	Ж
zhcy;	U+00436	ж
zigrarr;	U+021DD	↯
Zopf;	U+02124	Ʒ
zopf;	U+1D56B	Ʒ
Zscr;	U+1D4B5	Ʒ
zscr;	U+1D4CF	Ʒ
zwj;	U+0200D	
zwnj;	U+0200C	

This data is also available [as a JSON file](#).

The glyphs displayed above are non-normative. Refer to Unicode for formal definitions of the characters listed above.

Note

The character reference names originate from XML Entity Definitions for Characters, though only the above is considered normative. [\[XMLENTITY\]](#)

Note

This list is static and [will not be expanded or changed in the future](#).