

















































































































	030	031	032	033	034	035	036
0	 0300	 0310	 0320	 0330	 0340	 0350	 0360
1	 0301	 0311	 0321	 0331	 0341	 0351	 0361
2	 0302	 0312	 0322	 0332	 0342	 0352	 0362
3	 0303	 0313	 0323	 0333	 0343	 0353	 0363
4	 0304	 0314	 0324	 0334	 0344	 0354	 0364
5	 0305	 0315	 0325	 0335	 0345	 0355	 0365
6	 0306	 0316	 0326	 0336	 0346	 0356	 0366
7	 0307	 0317	 0327	 0337	 0347	 0357	 0367
8	 0308	 0318	 0328	 0338	 0348	 0358	 0368
9	 0309	 0319	 0329	 0339	 0349	 0359	 0369
A	 030A	 031A	 032A	 033A	 034A	 035A	 036A
B	 030B	 031B	 032B	 033B	 034B	 035B	 036B
C	 030C	 031C	 032C	 033C	 034C	 035C	 036C
D	 030D	 031D	 032D	 033D	 034D	 035D	 036D
E	 030E	 031E	 032E	 033E	 034E	 035E	 036E
F	 030F	 031F	 032F	 033F	 034F	 035F	 036F

Ordinary diacritics

- 0300 ◌̀ **COMBINING GRAVE ACCENT**
= Greek varia
• Pinyin: marks Mandarin Chinese fourth tone
→ 0060 ◌̀ grave accent
→ 02CB ◌̀ modifier letter grave accent
- 0301 ◌́ **COMBINING ACUTE ACCENT**
= stress mark
= Greek oxia, tonos
• Pinyin: marks Mandarin Chinese second tone
→ 0027 ◌́ apostrophe
→ 00B4 ◌́ acute accent
→ 02B9 ◌́ modifier letter prime
→ 02CA ◌́ modifier letter acute accent
→ 0384 ◌́ greek tonos
- 0302 ◌̂ **COMBINING CIRCUMFLEX ACCENT**
= hat
→ 005E ◌̂ circumflex accent
→ 02C6 ◌̂ modifier letter circumflex accent
- 0303 ◌̃ **COMBINING TILDE**
• IPA: nasalization
• Vietnamese tone mark
→ 007E ◌̃ tilde
→ 02DC ◌̃ small tilde
- 0304 ◌̄ **COMBINING MACRON**
= long
• Pinyin: marks Mandarin Chinese first tone
• distinguish from the following
→ 00AF ◌̄ macron
→ 02C9 ◌̄ modifier letter macron
- 0305 ◌̅ **COMBINING OVERLINE**
= overscore, vinculum
• connects on left and right
→ 00AF ◌̅ macron
- 0306 ◌̆ **COMBINING BREVE**
= short
= Greek vrachy
→ 02D8 ◌̆ breve
→ A67C ◌̆ combining cyrillic kavyka
- 0307 ◌̇ **COMBINING DOT ABOVE**
= derivative (Newtonian notation)
• IPA (withdrawn in 1976): palatalization
→ 02D9 ◌̇ dot above
- 0308 ◌̈ **COMBINING DIAERESIS**
= double dot above, umlaut
= Greek dialytika
= double derivative
→ 00A8 ◌̈ diaeresis
- 0309 ◌̉ **COMBINING HOOK ABOVE**
= hoi
• kerns left or right of circumflex over vowels
• Vietnamese tone mark
→ 02C0 ◌̉ modifier letter glottal stop
- 030A ◌̊ **COMBINING RING ABOVE**
→ 00B0 ◌̊ degree sign
→ 02DA ◌̊ ring above
- 030B ◌̋ **COMBINING DOUBLE ACUTE ACCENT**
• Hungarian, Chuvash
→ 0022 " quotation mark
→ 02BA ◌̋ modifier letter double prime
→ 02DD ◌̋ double acute accent
- 030C ◌̌ **COMBINING CARON**
= hacek, V above
• Pinyin: marks Mandarin Chinese third tone
→ 02C7 ◌̌ caron
- 030D ◌̍ **COMBINING VERTICAL LINE ABOVE**
• this is not the Greek tonos
• Marshallese
→ 02C8 ◌̍ modifier letter vertical line
- 030E ◌̎ **COMBINING DOUBLE VERTICAL LINE ABOVE**
• Marshallese
→ 0022 " quotation mark
- 030F ◌̏ **COMBINING DOUBLE GRAVE ACCENT**
• Serbian and Croatian phonetics
- 0310 ◌̐ **COMBINING CANDRABINDU**
→ 0901 ◌̐ devanagari sign candrabindu
- 0311 ◌̑ **COMBINING INVERTED BREVE**
→ 0484 ◌̑ combining cyrillic palatalization
→ 0487 ◌̑ combining cyrillic pokrytie
- 0312 ◌̒ **COMBINING TURNED COMMA ABOVE**
= cedilla above
• Latvian (but not used in decomposition)
→ 02BB ◌̒ modifier letter turned comma
- 0313 ◌̓ **COMBINING COMMA ABOVE**
= Greek psili, smooth breathing mark
• Americanist: ejective or glottalization
→ 02BC ◌̓ modifier letter apostrophe
→ 0486 ◌̓ combining cyrillic psili pneumata
→ 055A ◌̓ armenian apostrophe
- 0314 ◌̔ **COMBINING REVERSED COMMA ABOVE**
= Greek dasia, rough breathing mark
→ 02BD ◌̔ modifier letter reversed comma
→ 0485 ◌̔ combining cyrillic dasia pneumata
→ 0559 ◌̔ armenian modifier letter left half ring
- 0315 ◌̕ **COMBINING COMMA ABOVE RIGHT**
→ 02BC ◌̕ modifier letter apostrophe
- 0316 ◌̖ **COMBINING GRAVE ACCENT BELOW**
- 0317 ◌̗ **COMBINING ACUTE ACCENT BELOW**
- 0318 ◌̘ **COMBINING LEFT TACK BELOW**
→ AB6A ◌̘ modifier letter left tack
- 0319 ◌̙ **COMBINING RIGHT TACK BELOW**
→ AB6B ◌̙ modifier letter right tack
- 031A ◌̚ **COMBINING LEFT ANGLE ABOVE**
• IPA: unreleased stop
- 031B ◌̛ **COMBINING HORN**
• Vietnamese
- 031C ◌̜ **COMBINING LEFT HALF RING BELOW**
• IPA: open variety of vowel
→ 02D5 ◌̜ modifier letter down tack
- 031D ◌̝ **COMBINING UP TACK BELOW**
• IPA: vowel raising or closing
→ 02D4 ◌̝ modifier letter up tack
- 031E ◌̞ **COMBINING DOWN TACK BELOW**
• IPA: vowel lowering or opening
→ 02D5 ◌̞ modifier letter down tack
- 031F ◌̟ **COMBINING PLUS SIGN BELOW**
• IPA: advanced or fronted articulation
→ 02D6 ◌̟ modifier letter plus sign
→ 1AC8 ◌̟ combining plus sign above
- 0320 ◌̠ **COMBINING MINUS SIGN BELOW**
• IPA: retracted or backed articulation
• glyph may have small end-serifs
→ 02D7 ◌̠ modifier letter minus sign

- 0321 ̡ COMBINING PALATALIZED HOOK BELOW
• IPA: palatalization
→ 02B2 ̡ modifier letter small j
- 0322 ̢ COMBINING RETROFLEX HOOK BELOW
• IPA: retroflexion
- 0323 ̣ COMBINING DOT BELOW
= nang
• IPA: closer variety of vowel
• Americanist and Indo-Europeanist: retraction or retroflexion
• Semiticist: velarization or pharyngealization
• Vietnamese tone mark
→ 02D4 ̣ modifier letter up tack
- 0324 ̤ COMBINING DIAERESIS BELOW
• IPA: breathy-voice or murmur
→ 02B1 ̤ modifier letter small h with hook
- 0325 ̥ COMBINING RING BELOW
• IPA: voiceless
• vocalic (in Latin transliteration of Indic sonorants)
• Madurese
→ 02F3 ̥ modifier letter low ring
- 0326 ̦ COMBINING COMMA BELOW
• Romanian, Latvian, Livonian
- 0327 ̧ COMBINING CEDILLA
• French, Turkish, Azerbaijani
→ 00B8 ̧ cedilla
- 0328 ̨ COMBINING OGONEK
= nasal hook
• Americanist: nasalization
• Polish, Lithuanian
→ 02DB ̨ ogonek
→ 1AB7 ̨ combining open mark below
- 0329 ̩ COMBINING VERTICAL LINE BELOW
• IPA: syllabic
• Yoruba
• German dialectology
• may attach or not; shape may vary by local preferences
→ 02CC ̩ modifier letter low vertical line
- 032A ̪ COMBINING BRIDGE BELOW
• IPA: dental
- 032B ̫ COMBINING INVERTED DOUBLE ARCH BELOW
• IPA: labialization
→ 02B7 ̫ modifier letter small w
→ 1AC7 ̫ combining inverted double arch above
- 032C ̬ COMBINING CARON BELOW
• IPA: voiced
- 032D ̭ COMBINING CIRCUMFLEX ACCENT BELOW
• Americanist: fronted articulation
- 032E ̮ COMBINING BREVE BELOW
• Hittite transcription
- 032F ̯ COMBINING INVERTED BREVE BELOW
• Americanist: fronted articulation (variant of 032D ̭)
• Indo-Europeanist: semivowel
- 0330 ̰ COMBINING TILDE BELOW
• IPA: creaky voice
- 0331 ̱ COMBINING MACRON BELOW
→ 005F ̱ low line
→ 02CD ̱ modifier letter low macron

- 0332 ̲ COMBINING LOW LINE
= underline, underscore
• connects on left and right
→ 005F ̲ low line
- 0333 ̳ COMBINING DOUBLE LOW LINE
= double underline, double underscore
• connects on left and right
→ 0347 ̳ combining equals sign below
→ 2017 ̳ double low line

Overstruck diacritics

- 0334 ̴ COMBINING TILDE OVERLAY
• IPA: velarization or pharyngealization
- 0335 ̵ COMBINING SHORT STROKE OVERLAY
- 0336 ̶ COMBINING LONG STROKE OVERLAY
= strikethrough
• connects on left and right
- 0337 ̷ COMBINING SHORT SOLIDUS OVERLAY
= short slash overlay
- 0338 ̸ COMBINING LONG SOLIDUS OVERLAY
= long slash overlay

Miscellaneous additions

- 0339 ̹ COMBINING RIGHT HALF RING BELOW
- 033A ̺ COMBINING INVERTED BRIDGE BELOW
• IPA: apical
→ 1DF9 ̺ combining wide inverted bridge below
- 033B ̻ COMBINING SQUARE BELOW
• IPA: laminal
• preferred glyph shape is a horizontal rectangle for IPA usage
- 033C ̼ COMBINING SEAGULL BELOW
• IPA: linguolabial
- 033D ̽ COMBINING X ABOVE
- 033E ̾ COMBINING VERTICAL TILDE
= yerik
• used for Cyrillic yerik, indicates an omitted jer
• this is not a palatalization mark
→ 0484 ̾ combining cyrillic palatalization
→ 2E2F ̾ vertical tilde
→ A67D ̾ combining cyrillic payerok
- 033F ̿ COMBINING DOUBLE OVERLINE
• connects on left and right

Vietnamese tone marks

Vietnamese-specific accent placement should be handled instead by specialized rendering of 0300 and 0301. Use of 0340 and 0341 is discouraged.

- 0340 ̺ COMBINING GRAVE TONE MARK
≡ 0300 ̺ combining grave accent
- 0341 ̻ COMBINING ACUTE TONE MARK
≡ 0301 ̻ combining acute accent

Additions for Greek

- 0342 ̿ COMBINING GREEK PERISPOMENI
• Greek-specific form of circumflex for rising-falling accent
• alternative glyph is similar to an inverted breve
→ 0303 ̿ combining tilde
→ 0311 ̿ combining inverted breve
- 0343 ͂ COMBINING GREEK KORONIS
≡ 0313 ͂ combining comma above

