

IPA Extensions

Range: 0250–02AF

The Unicode Standard, Version 4.0

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 4.0*.

Characters in this chart that are new for The Unicode Standard, Version 4.0 are shown in conjunction with any existing characters. For ease of reference, the new characters have been highlighted in the chart grid and in the names list.

This file will not be updated with errata, or when additional characters are assigned to the Unicode Standard. See <http://www.unicode.org/charts> for access to a complete list of the latest character charts.

Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this excerpt file, please consult the appropriate sections of The Unicode Standard, Version 4.0 (ISBN 0-321-18578-1), as well as Unicode Standard Annexes #9, #11, #14, #15, #24 and #29, the other Unicode Technical Reports and the Unicode Character Database, which are available on-line.

See <http://www.unicode.org/Public/UNIDATA/UCD.html> and <http://www.unicode.org/unicode/reports>

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

Fonts

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See <http://www.unicode.org/charts/fonts.html> for a list.

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See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/unicode/alloc/Pipeline.html>.

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| | 025 | 026 | 027 | 028 | 029 | 02A |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| 0 | ɐ 0250 | ɟ 0260 | ɥ 0270 | ʀ 0280 | ʐ 0290 | ɸ 02A0 |
| 1 | ɑ 0251 | ɠ 0261 | ɱ 0271 | ʙ 0281 | ʑ 0291 | ʦ 02A1 |
| 2 | ɒ 0252 | ɢ 0262 | ɲ 0272 | ʂ 0282 | ʓ 0292 | ɸ 02A2 |
| 3 | ɓ 0253 | ɣ 0263 | ɳ 0273 | ʃ 0283 | ʔ 0293 | ɸ 02A3 |
| 4 | ɔ 0254 | ɶ 0264 | ɴ 0274 | ʄ 0284 | ʕ 0294 | ɸ 02A4 |
| 5 | ɛ 0255 | ɸ 0265 | ɵ 0275 | ɺ 0285 | ɻ 0295 | ɸ 02A5 |
| 6 | ɸ 0256 | ɦ 0266 | ɷ 0276 | ʆ 0286 | ɹ 0296 | ɸ 02A6 |
| 7 | ɸ 0257 | ɦ 0267 | ω 0277 | ɻ 0287 | ɸ 0297 | ɸ 02A7 |
| 8 | ə 0258 | ɨ 0268 | ɸ 0278 | ɸ 0288 | ɸ 0298 | ɸ 02A8 |
| 9 | ə 0259 | ɺ 0269 | ɻ 0279 | ɸ 0289 | ɸ 0299 | ɸ 02A9 |
| A | ɸ 025A | ɻ 026A | ɻ 027A | ɸ 028A | ɸ 029A | ɸ 02AA |
| B | ɸ 025B | ɸ 026B | ɸ 027B | ɸ 028B | ɸ 029B | ɸ 02AB |
| C | ɸ 025C | ɸ 026C | ɸ 027C | ɸ 028C | ɸ 029C | ɸ 02AC |
| D | ɸ 025D | ɸ 026D | ɸ 027D | ɸ 028D | ɸ 029D | ɸ 02AD |
| E | ɸ 025E | ɸ 026E | ɸ 027E | ɸ 028E | ɸ 029E | ɸ 02AE |
| F | ɸ 025F | ɸ 026F | ɸ 027F | ɸ 028F | ɸ 029F | ɸ 02AF |

IPA extensions

IPA includes basic Latin letters and a number of Latin or Greek letters from other blocks.

- 00E6 æ latin small letter ae
- 00E7 ç latin small letter c with cedilla
- 00F0 ð latin small letter eth
- 00F8 ø latin small letter o with stroke
- 0127 ħ latin small letter h with stroke
- 014B ŋ latin small letter eng
- 0153 œ latin small ligature oe
- 03B2 β greek small letter beta
- 03B8 θ greek small letter theta
- 03BB λ greek small letter lamda
- 03C7 χ greek small letter chi
- 0250 ɐ LATIN SMALL LETTER TURNED A
 - low central unrounded vowel
- 0251 α LATIN SMALL LETTER ALPHA
 - = LATIN SMALL LETTER SCRIPT A
 - low back unrounded vowel
 - 03B1 α greek small letter alpha
- 0252 ɒ LATIN SMALL LETTER TURNED ALPHA
 - low back rounded vowel
- 0253 ɓ LATIN SMALL LETTER B WITH HOOK
 - implosive bilabial stop
 - Pan-Nigerian alphabet
 - 0181 Ɓ latin capital letter b with hook
- 0254 ɔ LATIN SMALL LETTER OPEN O
 - typographically a turned c
 - lower-mid back rounded vowel
 - 0186 Ɔ latin capital letter open o
- 0255 ɕ LATIN SMALL LETTER C WITH CURL
 - voiceless alveolo-palatal laminal fricative
 - used in transcription of Mandarin Chinese
 - sound spelled with 015B ś in Polish
- 0256 ɗ LATIN SMALL LETTER D WITH TAIL
 - = LATIN SMALL LETTER D RETROFLEX HOOK
 - voiced retroflex stop
 - 0189 Ɖ latin capital letter african d
- 0257 ɖ LATIN SMALL LETTER D WITH HOOK
 - implosive dental or alveolar stop
 - Ewe, Pan-Nigerian alphabet
 - 018A Ɗ latin capital letter d with hook
- 0258 ɘ LATIN SMALL LETTER REVERSED E
 - upper-mid central unrounded vowel
- 0259 ə LATIN SMALL LETTER SCHWA
 - mid-central unrounded vowel
 - variant uppercase form 018E Ǝ is associated with 01DD ɚ
 - 018F Ǝ latin capital letter schwa
 - 01DD ɚ latin small letter turned e
 - 04D9 ӗ cyrillic small letter schwa
- 025A ɶ LATIN SMALL LETTER SCHWA WITH HOOK
 - rhotacized schwa
- 025B ε LATIN SMALL LETTER OPEN E
 - = LATIN SMALL LETTER EPSILON
 - lower-mid front unrounded vowel
 - 0190 Ɛ latin capital letter open e
 - 03B5 ε greek small letter epsilon
- 025C ɜ LATIN SMALL LETTER REVERSED OPEN E
 - lower-mid central unrounded vowel
- 025D ɝ LATIN SMALL LETTER REVERSED OPEN E WITH HOOK
 - rhotacized lower-mid central vowel
- 025E ɞ LATIN SMALL LETTER CLOSED REVERSED OPEN E
 - = LATIN SMALL LETTER CLOSED REVERSED EPSILON
 - lower-mid central rounded vowel
- 025F ɟ LATIN SMALL LETTER DOTLESS J WITH STROKE
 - voiced palatal stop
 - typographically a turned f, but better thought of as a form of j
 - “gy” in Hungarian orthography
 - also archaic phonetic for palatoalveolar affricate 02A4 ɟʝ
- 0260 ɠ LATIN SMALL LETTER G WITH HOOK
 - implosive velar stop
 - 0193 Ɠ latin capital letter g with hook
- 0261 ɢ LATIN SMALL LETTER SCRIPT G
 - voiced velar stop
 - 0067 ɡ latin small letter g
- 0262 ɣ LATIN LETTER SMALL CAPITAL G
 - voiced uvular stop
- 0263 ɥ LATIN SMALL LETTER GAMMA
 - voiced velar fricative
 - 0194 Ƴ latin capital letter gamma
 - 03B3 γ greek small letter gamma
- 0264 ɸ LATIN SMALL LETTER RAMS HORN
 - = LATIN SMALL LETTER BABY GAMMA
 - upper-mid back unrounded vowel
- 0265 ɥ LATIN SMALL LETTER TURNED H
 - voiced rounded palatal approximant
- 0266 ɦ LATIN SMALL LETTER H WITH HOOK
 - breathy-voiced glottal fricative
 - 02B1 ɦ̣ modifier letter small h with hook
- 0267 ɥ LATIN SMALL LETTER HENG WITH HOOK
 - voiceless coarticulated velar and palatoalveolar fricative
 - “tj” or “kj” or “sj” in some Swedish dialects
- 0268 ɨ LATIN SMALL LETTER I WITH STROKE
 - = barred i, i bar
 - high central unrounded vowel
 - ISO 6438 gives lowercase of 0197 Ǝ as 026A ɨ̄, not 0268 ɨ

| | | | | | |
|------|------|---|------|-------|---|
| 0285 | ɿ | LATIN SMALL LETTER SQUAT REVERSED ESH | 0293 | ʒ | LATIN SMALL LETTER EZH WITH CURL |
| | | • apical retroflex vowel | | | • palatalized voiced postalveolar fricative |
| | | • used by linguists working on Chinese and other Sino-Tibetan languages | 0294 | ʔ | LATIN LETTER GLOTTAL STOP |
| | | • IPA spelling - 0290 ʐ, 0329 ʑ | | | → 02C0 ʔ modifier letter glottal stop |
| | | • in origin 027F ɿ plus the retroflex hook 0322 ɿ̣, despite its name | 0295 | ʕ | LATIN LETTER PHARYNGEAL VOICED FRICATIVE |
| 0286 | ʃ | LATIN SMALL LETTER ESH WITH CURL | | | = LATIN LETTER REVERSED GLOTTAL STOP |
| | | • palatalized voiceless postalveolar fricative | | | • voiced pharyngeal fricative |
| | | • suggested spelling - 0283 ʃ 02B2 ʃ̣ | | | • ain |
| 0287 | ɿ̣ | LATIN SMALL LETTER TURNED T | | | → 01B9 ʒ̣ latin small letter ezh reversed |
| | | • dental click (sound of “tsk tsk”) | | | → 02C1 ʕ̣ modifier letter reversed glottal stop |
| | | → 01C0 ɿ̣ latin letter dental click | 0296 | ɰ | LATIN LETTER INVERTED GLOTTAL STOP |
| 0288 | ɿ̣̥ | LATIN SMALL LETTER T WITH RETROFLEX HOOK | | | • lateral click |
| | | • voiceless retroflex stop | | | → 01C1 ɿ̣̥ latin letter lateral click |
| | | → 01AE ɿ̣̥ latin capital letter t with retroflex hook | 0297 | ɸ | LATIN LETTER STRETCHED C |
| 0289 | ʉ | LATIN SMALL LETTER U BAR | | | • palatal (or alveolar) click |
| | | • high central rounded vowel | | | → 01C3 ɸ̣ latin letter retroflex click |
| 028A | ʊ | LATIN SMALL LETTER UPSILON | | | → 2201 ɸ̣ complement |
| | | • semi-high back rounded vowel | 0298 | ɔ̥ | LATIN LETTER BILABIAL CLICK |
| | | • preferred IPA alternate to 0277 ʊ | | | = LATIN LETTER BULLSEYE |
| | | → 01B1 ʊ̣ latin capital letter upsilon | | | → 2299 ɔ̥̣ circled dot operator |
| | | → 03C5 ʊ̣ greek small letter upsilon | 0299 | β | LATIN LETTER SMALL CAPITAL B |
| 028B | ʋ | LATIN SMALL LETTER V WITH HOOK | | | • bilabial trill |
| | | = LATIN SMALL LETTER SCRIPT V | 029A | ɐ̥ | LATIN SMALL LETTER CLOSED OPEN E |
| | | • voiced labiodental approximant | | | = LATIN SMALL LETTER CLOSED EPSILON |
| | | → 01B2 ʋ̣ latin capital letter v with hook | | | • lower-mid front rounded vowel |
| | | → 03C5 ʋ̣ greek small letter upsilon | | | • non-IPA alternate for the preferred 0153 ɐ̥ |
| 028C | ʌ | LATIN SMALL LETTER TURNED V | 029B | ɸ̣ | LATIN LETTER SMALL CAPITAL G WITH HOOK |
| | | = caret, wedge | | | • voiced uvular implosive |
| | | • lower-mid back unrounded vowel | 029C | ħ | LATIN LETTER SMALL CAPITAL H |
| | | → 039B ʌ̣ greek capital letter lamda | | | • voiceless epiglottal fricative |
| | | → 2038 ʌ̣ caret | 029D | ɰ̣ | LATIN SMALL LETTER J WITH CROSSED-TAIL |
| | | → 2227 ʌ̣ logical and | | | • voiced palatal fricative |
| 028D | ɰ̣ | LATIN SMALL LETTER TURNED W | 029E | ɰ̣̥ | LATIN SMALL LETTER TURNED K |
| | | • voiceless rounded labiovelar approximant | | | • proposed for velar click |
| 028E | ɰ̣̥ | LATIN SMALL LETTER TURNED Y | | | • withdrawn by IPA in 1970 |
| | | • voiced lateral approximant | 029F | ɭ | LATIN LETTER SMALL CAPITAL L |
| 028F | ɰ̣̥̥ | LATIN LETTER SMALL CAPITAL Y | | | • velar lateral approximant |
| | | • semi-high front rounded vowel | 02A0 | ɸ̣̥ | LATIN SMALL LETTER Q WITH HOOK |
| 0290 | ʐ | LATIN SMALL LETTER Z WITH RETROFLEX HOOK | | | • voiceless uvular implosive |
| | | • voiced retroflex fricative | 02A1 | ʔ̣ | LATIN LETTER GLOTTAL STOP WITH STROKE |
| 0291 | ʐ̣ | LATIN SMALL LETTER Z WITH CURL | | | • voiced epiglottal stop |
| | | • voiced alveolo-palatal laminal fricative | 02A2 | ʕ̣̥ | LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE |
| | | • sound spelled with 017A ʐ̣̥ in Polish | | | • voiced epiglottal fricative |
| 0292 | ʒ | LATIN SMALL LETTER EZH | 02A3 | ɸ̣̥̥ | LATIN SMALL LETTER DZ DIGRAPH |
| | | = dram | | | • voiced dental affricate |
| | | • voiced postalveolar fricative | 02A4 | ɸ̣̥̥̥ | LATIN SMALL LETTER DEZH DIGRAPH |
| | | • mistakenly named yogh in Unicode 1.0 | | | • voiced postalveolar affricate |
| | | • uppercase is 01B7 ʒ̣ | | | |
| | | • Skolt Sami | | | |
| | | → 021D ʒ̣ latin small letter yogh | | | |
| | | → 04E1 ʒ̣ cyrillic small letter abkhasian dze | | | |
| | | → 2125 ʒ̣ ounce sign | | | |

- 02A5 dʒ LATIN SMALL LETTER DZ DIGRAPH
WITH CURL
- voiced alveolo-palatal affricate
- 02A6 ts LATIN SMALL LETTER TS DIGRAPH
- voiceless dental affricate
- 02A7 tʃ LATIN SMALL LETTER TESH
DIGRAPH
- voiceless postalveolar affricate
- 02A8 tc LATIN SMALL LETTER TC DIGRAPH
WITH CURL
- voiceless alveolo-palatal affricate

IPA characters for disordered speech

- 02A9 fɿj LATIN SMALL LETTER FENG
DIGRAPH
- velopharyngeal fricative
- 02AA ɬ LATIN SMALL LETTER LS DIGRAPH
- lateral alveolar fricative (lisp)
- 02AB ɮ LATIN SMALL LETTER LZ DIGRAPH
- voiced lateral alveolar fricative
- 02AC ɸ LATIN LETTER BILABIAL
PERCUSSIVE
- audible lip smack
- 02AD ɸ̪ LATIN LETTER BIDENTAL
PERCUSSIVE
- audible teeth gnashing

Additions for Sinology

- 02AE ɸ̥ LATIN SMALL LETTER TURNED H
WITH FISHHOOK
- 02AF ɸ̥ LATIN SMALL LETTER TURNED H
WITH FISHHOOK AND TAIL