

IPA Extensions

Range: 0250–02AF

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 6.1*

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See <http://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <http://www.unicode.org/charts/PDF/Unicode-6.1/> for charts showing only the characters added in Unicode 6.1. See <http://www.unicode.org/Public/6.1.0/charts/> for a complete archived file of character code charts for Unicode 6.1.

Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 6.1 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 file, please consult the appropriate sections of The Unicode Standard, Version 6.1, online at <http://www.unicode.org/versions/Unicode6.1.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See <http://www.unicode.org/ucd/> and <http://www.unicode.org/reports/>

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

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

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	025	026	027	028	029	02A
0	ɸ 0250	ɣ 0260	ɥ 0270	ʀ 0280	ʐ 0290	ɸ̥ 02A0
1	ɑ̃ 0251	ɡ̃ 0261	ɱ̃ 0271	ʁ̃ 0281	ʑ̃ 0291	ɸ̥̃ 02A1
2	ɒ̃ 0252	ɡ̃ 0262	ɲ̃ 0272	ʂ̃ 0282	ʑ̃ 0292	ɸ̥̃ 02A2
3	ɸ̃ 0253	ɣ̃ 0263	ɥ̃ 0273	ʀ̃ 0283	ʐ̃ 0293	ɸ̥̃ 02A3
4	ɸ̃ 0254	ɣ̃ 0264	ɥ̃ 0274	ʀ̃ 0284	ʐ̃ 0294	ɸ̥̃ 02A4
5	ɸ̃ 0255	ɣ̃ 0265	ɥ̃ 0275	ʀ̃ 0285	ʐ̃ 0295	ɸ̥̃ 02A5
6	ɸ̃ 0256	ɣ̃ 0266	ɥ̃ 0276	ʀ̃ 0286	ʐ̃ 0296	ɸ̥̃ 02A6
7	ɸ̃ 0257	ɣ̃ 0267	ɥ̃ 0277	ʀ̃ 0287	ʐ̃ 0297	ɸ̥̃ 02A7
8	ɸ̃ 0258	ɣ̃ 0268	ɥ̃ 0278	ʀ̃ 0288	ʐ̃ 0298	ɸ̥̃ 02A8
9	ɸ̃ 0259	ɣ̃ 0269	ɥ̃ 0279	ʀ̃ 0289	ʐ̃ 0299	ɸ̥̃ 02A9
A	ɸ̃ 025A	ɣ̃ 026A	ɥ̃ 027A	ʀ̃ 028A	ʐ̃ 029A	ɸ̥̃ 02AA
B	ɸ̃ 025B	ɣ̃ 026B	ɥ̃ 027B	ʀ̃ 028B	ʐ̃ 029B	ɸ̥̃ 02AB
C	ɸ̃ 025C	ɣ̃ 026C	ɥ̃ 027C	ʀ̃ 028C	ʐ̃ 029C	ɸ̥̃ 02AC
D	ɸ̃ 025D	ɣ̃ 026D	ɥ̃ 027D	ʀ̃ 028D	ʐ̃ 029D	ɸ̥̃ 02AD
E	ɸ̃ 025E	ɣ̃ 026E	ɥ̃ 027E	ʀ̃ 028E	ʐ̃ 029E	ɸ̥̃ 02AE
F	ɸ̃ 025F	ɣ̃ 026F	ɥ̃ 027F	ʀ̃ 028F	ʐ̃ 029F	ɸ̥̃ 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 ɶ **LATIN SMALL LETTER TURNED A**
 • low central unrounded vowel
 • uppercase is 2C6F **V**
- 0251 α **LATIN SMALL LETTER ALPHA**
 = latin small letter script a (1.0)
 • low back unrounded vowel
 • uppercase is 2C6D **Α**
 → 03B1 α greek small letter alpha
- 0252 ɒ **LATIN SMALL LETTER TURNED ALPHA**
 • low back rounded vowel
 • uppercase is 2C70 **Ɔ**
- 0253 ɸ **LATIN SMALL LETTER B WITH HOOK**
 • implosive bilabial stop
 • Pan-Nigerian alphabet
 • uppercase is 0181 **Ɓ**
- 0254 ɔ̥ **LATIN SMALL LETTER OPEN O**
 • typographically a turned c
 • lower-mid back rounded vowel
 • in older Danish usage “ɔ̥” means “that is”
 • uppercase is 0186 **Ɔ̥**
- 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 ɔ̣ **LATIN SMALL LETTER D WITH TAIL**
 = d retroflex hook
 • voiced retroflex stop
 • uppercase is 0189 **Ɖ**
- 0257 ɖ **LATIN SMALL LETTER D WITH HOOK**
 • implosive dental or alveolar stop
 • Ewe, Pan-Nigerian alphabet
 • uppercase is 018A **Ɗ**
- 0258 ɘ **LATIN SMALL LETTER REVERSED E**
 • upper-mid central unrounded vowel
- 0259 ə **LATIN SMALL LETTER SCHWA**
 • mid-central unrounded vowel
 • uppercase is 018F **Ǝ**
 • variant uppercase form 018E **Ǝ̄** is associated with 01DD ə
 → 01DD ə latin small letter turned e
 → 04D9 ə cyrillic small letter schwa
- 025A ɚ **LATIN SMALL LETTER SCHWA WITH HOOK**
 • rhotacized schwa
- 025B ɛ̥ **LATIN SMALL LETTER OPEN E**
 = epsilon
 • lower-mid front unrounded vowel
 • uppercase is 0190 **Ɛ**
 → 03B5 ε greek small letter epsilon
- 025C ɜ̥ **LATIN SMALL LETTER REVERSED OPEN E**
 • lower-mid central unrounded vowel
- 025D ɜ̥̄ **LATIN SMALL LETTER REVERSED OPEN E WITH HOOK**
 • rhotacized lower-mid central vowel
- 025E ɞ **LATIN SMALL LETTER CLOSED REVERSED OPEN E**
 = 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 ɟ͡ʒ
- 0260 ɡ̚ **LATIN SMALL LETTER G WITH HOOK**
 • implosive velar stop
 • uppercase is 0193 **Ɠ**
- 0261 ɡ̊ **LATIN SMALL LETTER SCRIPT G**
 • voiced velar stop
 → 0067 ɡ latin small letter g
- 0262 ɢ **LATIN LETTER SMALL CAPITAL G**
 • voiced uvular stop
- 0263 ɣ̊ **LATIN SMALL LETTER GAMMA**
 • voiced velar fricative
 • uppercase is 0194 **Ƴ**
 → 03B3 γ greek small letter gamma
- 0264 ɣ̥ **LATIN SMALL LETTER RAMS HORN**
 = latin small letter baby gamma (1.0)
 • upper-mid back unrounded vowel
- 0265 ɥ **LATIN SMALL LETTER TURNED H**
 • voiced rounded palatal approximant
 • uppercase is A78D **Ɔ̣**
- 0266 ɦ̥ **LATIN SMALL LETTER H WITH HOOK**
 • breathy-voiced glottal fricative
 • uppercase is A7AA **Ɔ̣̥**
 • uppercase in Nawdm is 0124 **Ĥ**
 → 02B1 ĥ modifier letter small h with hook
- 0267 ɦ̥̄ **LATIN SMALL LETTER HENG WITH HOOK**
 • voiceless coarticulated velar and palatoalveolar fricative
 • “sj” in some Swedish dialects
- 0268 ɨ̄ **LATIN SMALL LETTER I WITH STROKE**
 = barred i, i bar
 • high central unrounded vowel
 • uppercase is 0197 **Ɔ̣̄**
 • ISO 6438 gives lowercase of 0197 as 026A, not 0268
- 0269 ɪ̥ **LATIN SMALL LETTER IOTA**
 • semi-high front unrounded vowel
 • obsoleted by IPA in 1989
 • preferred use is 026A ɪ latin letter small capital i
 • uppercase is 0196 **Ɔ̣̄̄**
 → 03B9 ι greek small letter iota
- 026A ɪ̥̄ **LATIN LETTER SMALL CAPITAL I**
 • semi-high front unrounded vowel
 • preferred IPA alternate for 0269 ɪ̥̄
 • uppercase is 0197 **Ɔ̣̄̄**
- 026B ɬ̥ **LATIN SMALL LETTER L WITH MIDDLE TILDE**
 • velarized voiced alveolar lateral approximant
 • uppercase is 2C62 **Ɔ̣̄̄̄**
- 026C ɬ̥̄ **LATIN SMALL LETTER L WITH BELT**
 • voiceless alveolar lateral fricative

026D	ɭ	LATIN SMALL LETTER L WITH RETROFLEX HOOK • voiced retroflex lateral	027F	ɀ	LATIN SMALL LETTER REVERSED R WITH FISHHOOK = long leg turned iota (a misnomer) • apical dental vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 007A ʐ 0329 ɀ • preferred presentation is with a descender
026E	ɮ	LATIN SMALL LETTER LEZH • voiced lateral fricative • “dhl” in Zulu orthography	0280	ʀ	LATIN LETTER SMALL CAPITAL R • voiced uvular trill • Germanic, Old Norse • uppercase is 01A6 ʀ
026F	ɯ	LATIN SMALL LETTER TURNED M • high back unrounded vowel • uppercase is 019C ɯ	0281	ɿ	LATIN LETTER SMALL CAPITAL INVERTED R • voiced uvular fricative or approximant → 02B6 ɿ modifier letter small capital inverted r
0270	ɰ	LATIN SMALL LETTER TURNED M WITH LONG LEG • voiced velar approximant	0282	ɥ	LATIN SMALL LETTER S WITH HOOK • voiceless retroflex fricative
0271	ɱ	LATIN SMALL LETTER M WITH HOOK • voiced labiodental nasal • uppercase is 2C6E ɱ	0283	ʃ	LATIN SMALL LETTER ESH • voiceless postalveolar fricative • uppercase is 01A9 ʃ → 222B ʃ integral
0272	ɲ	LATIN SMALL LETTER N WITH LEFT HOOK • voiced palatal nasal • uppercase is 019D ɲ	0284	ɰ	LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK • implosive palatal stop • typographically based on 025F ɰ, not on 0283 ʃ
0273	ɳ	LATIN SMALL LETTER N WITH RETROFLEX HOOK • voiced retroflex nasal	0285	ɶ	LATIN SMALL LETTER SQUAT REVERSED ESH • apical retroflex vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 0290 ɶ 0329 ɶ • in origin 027F ɀ plus the retroflex hook 0322 ɶ, despite its name • preferred presentation is with a descender
0274	ɺ	LATIN LETTER SMALL CAPITAL N • voiced uvular nasal	0286	ɷ	LATIN SMALL LETTER ESH WITH CURL • palatalized voiceless postalveolar fricative • suggested spelling - 0283 ɷ 02B2 ɷ
0275	ɵ	LATIN SMALL LETTER BARRED O = o bar • rounded mid-central vowel, i.e. rounded schwa • uppercase is 019F ɵ → 03B8 ɵ greek small letter theta → 0473 ɵ cyrillic small letter fita → 04E9 ɵ cyrillic small letter barred o	0287	ɸ	LATIN SMALL LETTER TURNED T • dental click (sound of “tsk tsk”) → 01C0 ɸ latin letter dental click
0276	œ	LATIN LETTER SMALL CAPITAL OE • low front rounded vowel → 0153 œ latin small ligature oe	0288	ɹ	LATIN SMALL LETTER T WITH RETROFLEX HOOK • voiceless retroflex stop • uppercase is 01AE ɹ
0277	ɷ	LATIN SMALL LETTER CLOSED OMEGA • semi-high back rounded vowel • obsoleted by IPA in 1989 • preferred use is 028A ɹ latin small letter upsilon	0289	ʉ	LATIN SMALL LETTER U BAR • high central rounded vowel • uppercase is 0244 ʉ
0278	ɸ	LATIN SMALL LETTER PHI • voiceless bilabial fricative → 03C6 ɸ greek small letter phi	028A	ɰ	LATIN SMALL LETTER UPSILON • semi-high back rounded vowel • preferred IPA alternate to 0277 ɷ • uppercase is 01B1 ɰ → 03C5 ɰ greek small letter upsilon
0279	ɹ	LATIN SMALL LETTER TURNED R • voiced alveolar approximant → 02B4 ɹ modifier letter small turned r	028B	ɱ	LATIN SMALL LETTER V WITH HOOK = latin small letter script v (1.0) • voiced labiodental approximant • uppercase is 01B2 ɱ → 03C5 ɱ greek small letter upsilon
027A	ɺ	LATIN SMALL LETTER TURNED R WITH LONG LEG • voiced lateral flap	028C	Λ	LATIN SMALL LETTER TURNED V = caret, wedge • lower-mid back unrounded vowel • uppercase is 0245 Λ → 039B Λ greek capital letter lamda → 2038 Λ caret → 2227 Λ logical and
027B	ɻ	LATIN SMALL LETTER TURNED R WITH HOOK • voiced retroflex approximant → 02B5 ɻ modifier letter small turned r with hook			
027C	ɽ	LATIN SMALL LETTER R WITH LONG LEG • voiced strident apico-alveolar trill • obsoleted by IPA in 1989 • sound spelled with 0159 ř in Czech • preferred phonetic representation for Czech is 0072 ɽ 031D ɽ • in current use in Gaelic types (as glyph variant of 0072 ɽ)			
027D	ɾ	LATIN SMALL LETTER R WITH TAIL • voiced retroflex flap • uppercase is 2C64 ɾ			
027E	ɿ	LATIN SMALL LETTER R WITH FISHHOOK • voiced alveolar flap or tap			

028D	ʍ	LATIN SMALL LETTER TURNED W	• voiceless rounded labiovelar approximant
028E	ɣ	LATIN SMALL LETTER TURNED Y	• voiced lateral approximant
028F	ʏ	LATIN LETTER SMALL CAPITAL Y	• semi-high front rounded vowel
0290	ɮ	LATIN SMALL LETTER Z WITH RETROFLEX HOOK	• voiced retroflex fricative
0291	ʐ	LATIN SMALL LETTER Z WITH CURL	• voiced alveolo-palatal laminal fricative • sound spelled with 017A Ź in Polish
0292	ʒ	LATIN SMALL LETTER EZH	= dram • voiced postalveolar fricative • mistakenly named yogh in Unicode 1.0 • uppercase is 01B7 Ʒ • Skolt Sami → 021D ʒ latin small letter yogh → 04E1 ӡ cyrillic small letter abkhasian dze → 2125 ʒ ounce sign → 1F772 𐆗 alchemical symbol for half dram
0293	ʒ̣	LATIN SMALL LETTER EZH WITH CURL	• palatalized voiced postalveolar fricative
0294	ʔ	LATIN LETTER GLOTTAL STOP	• this is a caseless letter • used in IPA, other phonetic notations, and those orthographies which use a caseless glottal stop → 0241 ʔ latin capital letter glottal stop → 02C0 ʔ modifier letter glottal stop
0295	ʕ	LATIN LETTER PHARYNGEAL VOICED FRICATIVE	= reversed glottal stop • voiced pharyngeal fricative • ain → 01B9 ʕ latin small letter ezh reversed → 02C1 ʕ modifier letter reversed glottal stop
0296	ɸ	LATIN LETTER INVERTED GLOTTAL STOP	• lateral click → 01C1 ɸ latin letter lateral click
0297	ɕ	LATIN LETTER STRETCHED C	• palatal (or alveolar) click → 01C3 ɕ latin letter retroflex click → 2201 ɕ complement
0298	⊙	LATIN LETTER BILABIAL CLICK	= bullseye → 2299 ⊙ circled dot operator
0299	ɓ	LATIN LETTER SMALL CAPITAL B	• bilabial trill
029A	ɐ	LATIN SMALL LETTER CLOSED OPEN E	= closed epsilon • lower-mid front rounded vowel • non-IPA alternate for the preferred 0153 œ
029B	ɟ	LATIN LETTER SMALL CAPITAL G WITH HOOK	• voiced uvular implosive
029C	ħ	LATIN LETTER SMALL CAPITAL H	• voiceless epiglottal fricative
029D	ɰ	LATIN SMALL LETTER J WITH CROSSED-TAIL	• voiced palatal fricative
029E	ɥ	LATIN SMALL LETTER TURNED K	• proposed for velar click • withdrawn by IPA in 1970

029F	ɭ	LATIN LETTER SMALL CAPITAL L	• velar lateral approximant
02A0	ɥ	LATIN SMALL LETTER Q WITH HOOK	• voiceless uvular implosive
02A1	ʔ̰	LATIN LETTER GLOTTAL STOP WITH STROKE	• voiced epiglottal stop
02A2	ʔ̠	LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE	• voiced epiglottal fricative
02A3	ɗ	LATIN SMALL LETTER DZ DIGRAPH	• voiced dental affricate
02A4	ɗ͡ʒ	LATIN SMALL LETTER DEZH DIGRAPH	• voiced postalveolar affricate
02A5	ɗ͡ʐ	LATIN SMALL LETTER DZ DIGRAPH WITH CURL	• voiced alveolo-palatal affricate
02A6	ɸ̣	LATIN SMALL LETTER TS DIGRAPH	• voiceless dental affricate
02A7	ɸ͡ʃ	LATIN SMALL LETTER TESH DIGRAPH	• voiceless postalveolar affricate
02A8	ɸ͡ʦ	LATIN SMALL LETTER TC DIGRAPH WITH CURL	• voiceless alveolo-palatal affricate

IPA characters for disordered speech

02A9	ɸ̞	LATIN SMALL LETTER FENG DIGRAPH	• velopharyngeal fricative
02AA	ɸ̠	LATIN SMALL LETTER LS DIGRAPH	• lateral alveolar fricative (lisp)
02AB	ɸ̡	LATIN SMALL LETTER LZ DIGRAPH	• voiced lateral alveolar fricative
02AC	ɸ̣	LATIN LETTER BILABIAL PERCUSSIVE	• audible lip smack
02AD	ɸ̤	LATIN LETTER BIDENTAL PERCUSSIVE	• audible teeth gnashing

Additions for Sinology

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