

IPA Extensions

Range: 0250–02AF

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

This file may be updated as necessary to reflect errata without notice. For an up-to-date list of errata, see <http://www.unicode.org/errata/>

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/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	ɐ 0250	ɡ 0260	ɥ 0270	ʀ 0280	ʐ 0290	ɸ 02A0
1	ɑ 0251	ɡ 0261	ŋ 0271	ʁ 0281	ʑ 0291	ʒ 02A1
2	ɒ 0252	ɠ 0262	ɲ 0272	ʂ 0282	ʑ 0292	ɸ 02A2
3	ɓ 0253	ɣ 0263	ɳ 0273	ʃ 0283	ʒ 0293	ɸ 02A3
4	ɔ 0254	ɣ 0264	ɴ 0274	ʃ 0284	ʑ 0294	ɸ 02A4
5	ɛ 0255	ɥ 0265	ɵ 0275	ɳ 0285	ɸ 0295	ɸ 02A5
6	ɖ 0256	ɦ 0266	ɛ 0276	ʃ 0286	ʑ 0296	ɸ 02A6
7	ɸ 0257	ɦ 0267	ω 0277	ɳ 0287	ɸ 0297	ɸ 02A7
8	ə 0258	ɨ 0268	ϕ 0278	ɸ 0288	⊙ 0298	ɸ 02A8
9	ə 0259	ɺ 0269	ɺ 0279	ɸ 0289	ɸ 0299	ɸ 02A9
A	ɸ 025A	ɺ 026A	ɺ 027A	ɸ 028A	ɸ 029A	ɸ 02AA
B	ɛ 025B	ɸ 026B	ɺ 027B	ɸ 028B	ɸ 029B	ɸ 02AB
C	ɸ 025C	ɸ 026C	ɺ 027C	ɸ 028C	ɸ 029C	ɸ 02AC
D	ɸ 025D	ɺ 026D	ɺ 027D	ɸ 028D	ɸ 029D	ɸ 02AD
E	ɸ 025E	ɸ 026E	ɺ 027E	ɸ 028E	ɸ 029E	ɸ 02AE
F	ɸ 025F	ɸ 026F	ɺ 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 ɞ 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 ɗ latin capital letter african d
- 0257 ɗ̥ 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 ɐ
 - 018F Ǝ latin capital letter schwa
 - 01DD ɐ 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 ɜ̥ 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 ɤ LATIN SMALL LETTER GAMMA
 - voiced velar fricative
 - 0194 Ƴ latin capital letter gamma
 - 03B3 γ greek small letter gamma
- 0264 ɥ LATIN SMALL LETTER RAMS HORN
 - = LATIN SMALL LETTER BABY GAMMA
 - upper-mid back unrounded vowel
- 0265 ɥ̥ 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 ɥ̥ LATIN SMALL LETTER HENG WITH HOOK
 - voiceless coarticulated velar and palatoalveolar fricative
 - “tj” or “kj” or “sj” in some Swedish dialects
- 0268 ı LATIN SMALL LETTER I WITH STROKE
 - = barred i, i bar
 - high central unrounded vowel
 - ISO 6438 gives lowercase of 0197 İ as 026A ı̇, not 0268 ı̇

0269	ɪ	LATIN SMALL LETTER IOTA • semi-high front unrounded vowel • obsoleted by IPA in 1989 • preferred use is 026A I LATIN LETTER SMALL CAPITAL I → 0196 I latin capital letter iota → 03B9 ι greek small letter iota	0278	ϕ	LATIN SMALL LETTER PHI • voiceless bilabial fricative → 03C6 ϕ greek small letter phi
026A	I	LATIN LETTER SMALL CAPITAL I • semi-high front unrounded vowel • preferred IPA alternate for 0269 ɪ → 0197 Ī latin capital letter i with stroke	0279	ɹ	LATIN SMALL LETTER TURNED R • voiced alveolar approximant → 02B4 ɹ modifier letter small turned r
026B	ɺ	LATIN SMALL LETTER L WITH MIDDLE TILDE • velarized voiced alveolar lateral approximant	027A	ɹ̃	LATIN SMALL LETTER TURNED R WITH LONG LEG • voiced lateral flap
026C	ɻ	LATIN SMALL LETTER L WITH BELT • voiceless alveolar lateral fricative	027B	ɹ̄	LATIN SMALL LETTER TURNED R WITH HOOK • voiced retroflex approximant → 02B5 ɹ̄ modifier letter small turned r with hook
026D	ɺ̥	LATIN SMALL LETTER L WITH RETROFLEX HOOK • voiced retroflex lateral	027C	ɹ̥	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 ɹ̥ 031D ɹ̥ • in current use in Gaelic types (as glyph variant of 0072 ɹ)
026E	ɻ̥	LATIN SMALL LETTER LEZH • voiced lateral fricative • “dhl” in Zulu orthography	027D	ɹ̥̄	LATIN SMALL LETTER R WITH TAIL • voiced retroflex flap
026F	ɹ̥̄	LATIN SMALL LETTER TURNED M • high back unrounded vowel → 019C Ȯ latin capital letter turned m	027E	ɹ̥̄̆	LATIN SMALL LETTER R WITH FISHHOOK • voiced alveolar flap or tap
0270	ɹ̥̄̆̈	LATIN SMALL LETTER TURNED M WITH LONG LEG • voiced velar approximant	027F	ɹ̥̄̆̈̄	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 z 0329 ɹ̥̄̆̈̄
0271	ɹ̥̄̆̈̄̈	LATIN SMALL LETTER M WITH HOOK • voiced labiodental nasal	0280	ʀ	LATIN LETTER SMALL CAPITAL R • voiced uvular trill • Germanic, Old Norse • uppercase is 01A6 ʀ
0272	ɹ̥̄̆̈̄̈̄	LATIN SMALL LETTER N WITH LEFT HOOK • voiced palatal nasal → 019D Ȩ latin capital letter n with left hook	0281	ʀ̥	LATIN LETTER SMALL CAPITAL INVERTED R • voiced uvular fricative or approximant → 02B6 ʀ̥ modifier letter small capital inverted r
0273	ɹ̥̄̆̈̄̈̄̈̄	LATIN SMALL LETTER N WITH RETROFLEX HOOK • voiced retroflex nasal	0282	ʂ	LATIN SMALL LETTER S WITH HOOK • voiceless retroflex fricative
0274	ʀ̥̄̆̈̄̈̄̈̄̈̄	LATIN LETTER SMALL CAPITAL N • voiced uvular nasal	0283	ʃ	LATIN SMALL LETTER ESH • voiceless postalveolar fricative → 01A9 Σ latin capital letter esh → 222B ∫ integral
0275	ɵ	LATIN SMALL LETTER BARRED O = o bar • rounded mid-central vowel, i.e. rounded schwa • uppercase is 019F Θ → 03B8 θ greek small letter theta → 0473 ɵ cyrillic small letter fita → 04E9 ɵ cyrillic small letter barred o	0284	ɰ	LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK • implosive palatal stop • typographically based on 025F ɰ̄, not on 0283 ɰ̄
0276	œ	LATIN LETTER SMALL CAPITAL OE • low front rounded vowel → 0153 œ latin small ligature oe			
0277	ɰ	LATIN SMALL LETTER CLOSED OMEGA • semi-high back rounded vowel • obsoleted by IPA in 1989 • preferred use is 028A ɰ latin small letter upsilon			

0285	ɿ	LATIN SMALL LETTER SQUAT REVERSED ESH	0293	ʒ	LATIN SMALL LETTER EZH WITH CURL
		<ul style="list-style-type: none"> • apical retroflex vowel • used by linguists working on Chinese and other Sino-Tibetan languages • IPA spelling - 0290 ʒ, 0329 ʒ • in origin 027F ɿ plus the retroflex hook 0322 ɿ, despite its name 			<ul style="list-style-type: none"> • palatalized voiced postalveolar fricative
0286	ʃ	LATIN SMALL LETTER ESH WITH CURL	0294	ʔ	LATIN LETTER GLOTTAL STOP
		<ul style="list-style-type: none"> • palatalized voiceless postalveolar fricative • suggested spelling - 0283 ʃ 02B2 ʃ 			→ 02C0 ʔ modifier letter glottal stop
0287	ɿ	LATIN SMALL LETTER TURNED T	0295	ʕ	LATIN LETTER PHARYNGEAL VOICED FRICATIVE
		<ul style="list-style-type: none"> • dental click (sound of “tsk tsk”) → 01C0 ɿ latin letter dental click 			= LATIN LETTER REVERSED GLOTTAL STOP <ul style="list-style-type: none"> • voiced pharyngeal fricative • ain → 01B9 ʕ latin small letter ezh reversed → 02C1 ʕ modifier letter reversed glottal stop
0288	ɸ	LATIN SMALL LETTER T WITH RETROFLEX HOOK	0296	ɸ	LATIN LETTER INVERTED GLOTTAL STOP
		<ul style="list-style-type: none"> • voiceless retroflex stop → 01AE ɸ latin capital letter t with retroflex hook 			<ul style="list-style-type: none"> • lateral click → 01C1 ɸ latin letter lateral click
0289	ʉ	LATIN SMALL LETTER U BAR	0297	ɸ	LATIN LETTER STRETCHED C
		<ul style="list-style-type: none"> • high central rounded vowel 			<ul style="list-style-type: none"> • palatal (or alveolar) click → 01C3 ɸ latin letter retroflex click → 2201 ɸ complement
028A	ʊ	LATIN SMALL LETTER UPSILON	0298	⊙	LATIN LETTER BILABIAL CLICK
		<ul style="list-style-type: none"> • semi-high back rounded vowel • preferred IPA alternate to 0277 ʊ → 01B1 ʊ latin capital letter upsilon → 03C5 ʊ greek small letter upsilon 			= LATIN LETTER BULLSEYE <ul style="list-style-type: none"> → 2299 ⊙ circled dot operator
028B	ʋ	LATIN SMALL LETTER V WITH HOOK	0299	ɸ	LATIN LETTER SMALL CAPITAL B
		= LATIN SMALL LETTER SCRIPT V <ul style="list-style-type: none"> • voiced labiodental approximant → 01B2 ʋ latin capital letter v with hook → 03C5 ʋ greek small letter upsilon 			<ul style="list-style-type: none"> • bilabial trill
028C	ʌ	LATIN SMALL LETTER TURNED V	029A	ɸ	LATIN SMALL LETTER CLOSED OPEN E
		= caret, wedge <ul style="list-style-type: none"> • lower-mid back unrounded vowel → 039B ʌ greek capital letter lamda → 2038 ʌ caret → 2227 ʌ logical and 			= LATIN SMALL LETTER CLOSED EPSILON <ul style="list-style-type: none"> • lower-mid front rounded vowel • non-IPA alternate for the preferred 0153 œ
028D	ʍ	LATIN SMALL LETTER TURNED W	029B	ɸ	LATIN LETTER SMALL CAPITAL G WITH HOOK
		<ul style="list-style-type: none"> • voiceless rounded labiovelar approximant 			<ul style="list-style-type: none"> • voiced uvular implosive
028E	ɸ	LATIN SMALL LETTER TURNED Y	029C	ɸ	LATIN LETTER SMALL CAPITAL H
		<ul style="list-style-type: none"> • voiced lateral approximant 			<ul style="list-style-type: none"> • voiceless epiglottal fricative
028F	ɸ	LATIN LETTER SMALL CAPITAL Y	029D	ɸ	LATIN SMALL LETTER J WITH CROSSED-TAIL
		<ul style="list-style-type: none"> • semi-high front rounded vowel 			<ul style="list-style-type: none"> • voiced palatal fricative
0290	ʒ	LATIN SMALL LETTER Z WITH RETROFLEX HOOK	029E	ɸ	LATIN SMALL LETTER TURNED K
		<ul style="list-style-type: none"> • voiced retroflex fricative 			<ul style="list-style-type: none"> • proposed for velar click • withdrawn by IPA in 1970
0291	ʒ	LATIN SMALL LETTER Z WITH CURL	029F	ɸ	LATIN LETTER SMALL CAPITAL L
		<ul style="list-style-type: none"> • voiced alveolo-palatal laminal fricative • sound spelled with 017A ʒ in Polish 			<ul style="list-style-type: none"> • velar lateral approximant
0292	ʒ	LATIN SMALL LETTER EZH	02A0	ɸ	LATIN SMALL LETTER Q WITH HOOK
		= dram <ul style="list-style-type: none"> • voiced postalveolar fricative • mistakenly named yogh in Unicode 1.0 • uppercase is 01B7 ʒ • Skolt Sami → 021D ʒ latin small letter yogh → 04E1 ʒ cyrillic small letter abkhasian dze → 2125 ʒ ounce sign 			<ul style="list-style-type: none"> • voiceless uvular implosive
			02A1	ʔ	LATIN LETTER GLOTTAL STOP WITH STROKE
					<ul style="list-style-type: none"> • voiced epiglottal stop
			02A2	ʕ	LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE
					<ul style="list-style-type: none"> • voiced epiglottal fricative
			02A3	ɸ	LATIN SMALL LETTER DZ DIGRAPH
					<ul style="list-style-type: none"> • voiced dental affricate
			02A4	ɸ	LATIN SMALL LETTER DEZH DIGRAPH
					<ul style="list-style-type: none"> • voiced postalveolar affricate

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