IPA Extensions
Range: 0250–02AF

The Unicode Standard, Version 15.1
This file contains a excerpt from the character code tables and list of character names for
The Unicode Standard, Version 15.1

This file may be changed at any time without notice to reflect errata, or other updates to the Unicode Standard.
See https://www.unicode.org/errata/ for an up-to-date list of errata.

See https://www.unicode.org/charts/ for access to a complete list of the latest character code charts.
See https://www.unicode.org/charts/PDF/Unicode-15.1/ for charts showing only the characters added in Unicode 15.1.
See https://www.unicode.org/Public/15.1.0/charts/ for a complete archived file of character code charts for Unicode 15.1.
See https://www.unicode.org/charts/About.html#Conventions for conventions used in these code charts, and other
general information.

Disclaimer
These charts are provided as the online reference to the character contents of the Unicode Standard, Version 15.1 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 15.1, online at https://www.unicode.org/versions/Unicode15.1.0/, as well as Unicode Standard Annexes
#9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, the other Unicode Technical Reports and Standards,
and the Unicode Character Database, which are available online.

See https://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.

Copying characters from the character code tables or list of character names is not recommended, because for
production reasons the PDF files for the code charts cannot guarantee that the correct character codes will always be
copied.

Fonts
The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be
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of different font designers, who own the rights to the fonts.

See https://www.unicode.org/charts/fonts.html for a list.

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added to the Unicode Standard since the publication of the most recent version of the Unicode Standard, as well as on
characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

See https://www.unicode.org/pending/pending.html and http://www.unicode.org/alloc/Pipeline.html.
See https://www.unicode.org/charts/About.html for more information concerning the conventions and symbols used in
these code charts.

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<table>
<thead>
<tr>
<th>Code</th>
<th>025</th>
<th>026</th>
<th>027</th>
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<th>029</th>
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</tr>
</tbody>
</table>
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IPA extensions

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0250</td>
<td>LATIN SMALL LETTER TURNED A</td>
</tr>
<tr>
<td>0251</td>
<td>LATIN SMALL LETTER ALPHABETA</td>
</tr>
<tr>
<td>0252</td>
<td>LATIN SMALL LETTER B WITH HOOK</td>
</tr>
<tr>
<td>0253</td>
<td>LATIN SMALL LETTER G WITH HOOK</td>
</tr>
<tr>
<td>0254</td>
<td>LATIN SMALL LETTER H WITH TAIL</td>
</tr>
<tr>
<td>0255</td>
<td>LATIN SMALL LETTER C WITH CURL</td>
</tr>
<tr>
<td>0256</td>
<td>LATIN SMALL LETTER D WITH TAIL</td>
</tr>
<tr>
<td>0257</td>
<td>LATIN SMALL LETTER D WITH HOOK</td>
</tr>
<tr>
<td>0258</td>
<td>LATIN SMALL LETTER REVERSED E</td>
</tr>
<tr>
<td>0259</td>
<td>LATIN SMALL LETTER SCHWA</td>
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<tr>
<td>0260</td>
<td>LATIN SMALL LETTER G WITH HOOK</td>
</tr>
<tr>
<td>0261</td>
<td>LATIN SMALL LETTER SCRIPT G</td>
</tr>
<tr>
<td>0262</td>
<td>LATIN SMALL LETTER CAPITAL G</td>
</tr>
<tr>
<td>0263</td>
<td>LATIN SMALL LETTER GAMMA</td>
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<tr>
<td>0264</td>
<td>LATIN SMALL LETTER RAMS HORN</td>
</tr>
<tr>
<td>0265</td>
<td>LATIN SMALL LETTER TURNED H</td>
</tr>
<tr>
<td>0266</td>
<td>LATIN SMALL LETTER H WITH HOOK</td>
</tr>
</tbody>
</table>

Many of the IPA characters in this block are also used in significant orthographies, such as those for African languages.

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</tbody>
</table>

The representative glyph appears like an upper-mid central unrounded vowel in Polish.

The upper-mid central unrounded vowel spelled with voiceless retroflex stop is associated with voiced palatal stop in older Danish usage.

The upper-mid central unrounded vowel associated with voiced palatal stop is also archaic phonetic for palatoalveolar affricate.

The upper-mid central unrounded vowel is also used in many of the IPA characters in this block are also used in significant orthographies, such as those for African languages.

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0267 ḳ LATIN SMALL LETTER HENG WITH HOOK
  • voiceless coarticulated velar and palatoalveolar fricative
  • “ṣ” in some Swedish dialects
    → A727 ḳ latin small letter heng

0268 i LATIN SMALL LETTER I WITH STROKE
  = barred i, i bar
  • high central unrounded vowel
  • uppercase is 0197 I
  • ISO 6438 gives lowercase of 0197 I as 026A I, not 0268 i
    → 1D7B i latin small capital letter i with stroke

0269 t LATIN SMALL LETTER IOTA
  • semi-high front unrounded vowel
  • obsoleted by IPA in 1989
  • preferred use is 026A ḳ latin letter small capital iota
    • uppercase is A7AE T
    • ISO 6438 gives this as lowercase of 0197 I instead of 0268 i
      • glyph should have top and bottom serifs even in sans serif IPA font designs, to avoid confusion with lowercase I
        → 0131 t latin small letter dotless i

026A ḳ LATIN SMALL LETTER CAPITAL I
  • semi-high front unrounded vowel
  • preferred IPA alternate for 0269 t
    • uppercase is A7AE ḳ
    • ISO 6438 gives this as lowercase of 0197 I
      • glyph should have top and bottom serifs even in sans serif IPA font designs, to avoid confusion with lowercase I
        → 0131 ḳ latin small letter dotless i

026B ḳ LATIN SMALL LETTER L WITH MIDDLE TILDE
  • velarized voiced alveolar lateral approximant
    • uppercase is 2C62 ɏ
      → 0142 ḳ latin small letter I with stroke
      → AB37 ḳ latin small letter I with inverted lazy s
      → AB38 ḳ latin small letter I with double middle tilde

026C ḳ LATIN SMALL LETTER L WITH BELT
  • voiceless alveolar lateral fricative
    • uppercase is A74D ɉ
      → 019A ḳ latin small letter I with bar

026D ḳ LATIN SMALL LETTER L WITH RETROFLEX HOOK
  • voiced retroflex lateral
    → A78E ḳ latin small letter I with retroflex hook and belt

026E ḳ LATIN SMALL LETTER LEZH
  • voice lateral fricative
    • “dh” in Zulu orthography

026F Ḻ LATIN SMALL LETTER TURNED M
  • high back unrounded vowel
    • uppercase is 019C L
      → A7FA Ḻ latin letter small capital turned m

0270 Ḻ LATIN SMALL LETTER TURNED M WITH LONG LEG
  • voiced velar approximant

0271 ḻ LATIN SMALL LETTER M WITH HOOK
  • voiced labiodental nasal
    • uppercase is 2C66 Ɇ
      → 1D86 ḻ latin small letter m with palatal hook

0272 ṁ LATIN SMALL LETTER N WITH LEFT HOOK
  • voiced palatal nasal
    • uppercase is 019D N

0273 ĕ LATIN SMALL LETTER N WITH RETROFLEX HOOK
  • voiced retroflex nasal

0274 N LATIN LETTER SMALL CAPITAL N
  • voiced uvular nasal

0275 ō LATIN SMALL LETTER BARRED O
  = o bar
  • rounded mid-central vowel, i.e. rounded schwa
    • uppercase is 019F Ω
      → 03B8 ō greek small letter theta
      → 0473 ō cyrillic small letter fi
      → 04E9 ō cyrillic small letter barred o

0276 œ LATIN LETTER SMALL CAPITAL OE
  • low front rounded vowel
    → 0153 œ latin small ligature oe

0277 ř LATIN SMALL LETTER CLOSED OMEGA
  • near-close near-back rounded vowel
    • obsoleted by IPA in 1989
    • preferred use is 026A u latin small letter upsilon
      → A7B7 ř latin small letter omega
      → AB65 ř greek letter small capital omega

0278 φ LATIN SMALL LETTER PHI
  • voiceless bilabial fricative
    • this is a non-casing letter
      → 03C6 φ greek small letter phi
      → 03D5 Φ greek small letter phi symbol
      → 2C77 φ latin small letter tailless phi

0279 ř LATIN SMALL LETTER TURNED R
  • voiced alveolar approximant
    → 0284 ř modifier letter small turned r

027A ř LATIN SMALL LETTER TURNED R WITH LONG LEG
  • voiced lateral flap

027B ř LATIN SMALL LETTER TURNED R WITH HOOK
  • voiced retroflex approximant
    → 0285 ř modifier letter small turned r with hook

027C ř LATIN SMALL LETTER R WITH LONG LEG
  • voiced strident apico-alveolar trill
    • obsoleted by IPA in 1989
    • this sound is spelled with 0159 ř in Czech
      • preferred phonetic representation for Czech is 0072 r 0310 ř
        • in current use in Gaelic types (as glyph variant of 0072 r)
          → A783 ř latin small letter insular r
          → A785 ř latin small letter insular s

027D ř LATIN SMALL LETTER R WITH TAIL
  • voiced retroflex flap
    • uppercase is 2C64 R
      → 2C79 ř latin small letter turned r with tail

027E ř LATIN SMALL LETTER R WITH FISHHOOK
  • voiced alveolar flap or tap
    → 017F ř latin small letter long s

027F ř 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 ř 0329 ř
  • preferred presentation is with a descender
<table>
<thead>
<tr>
<th>Code Point</th>
<th>Character</th>
<th>Description</th>
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<tbody>
<tr>
<td>0280 r</td>
<td>LATIN LETTER SMALL CAPITAL R</td>
<td>voiced uvular trill</td>
</tr>
<tr>
<td>0281 r</td>
<td>LATIN LETTER SMALL CAPITAL INVERTED R</td>
<td>voiced uvular fricative or approximant</td>
</tr>
<tr>
<td>0282 §</td>
<td>LATIN SMALL LETTER S WITH HOOK</td>
<td>voiceless retroflex fricative</td>
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<tr>
<td>0283 f</td>
<td>LATIN SMALL LETTER ESH</td>
<td>voiceless postalveolar fricative</td>
</tr>
<tr>
<td>0284 f</td>
<td>LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK</td>
<td>implosive palatal stop</td>
</tr>
<tr>
<td>0285 ⚩</td>
<td>LATIN SMALL LETTER SQUAT REVERSED ESH</td>
<td>apical retroflex vowel</td>
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<td>0286 f</td>
<td>LATIN SMALL LETTER ESH WITH CURL</td>
<td>palatalized voiceless postalveolar fricative</td>
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<td>0287 l</td>
<td>LATIN SMALL LETTER TURNED T</td>
<td>dental click (sound of “tsk tsk”)</td>
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<tr>
<td>0288 i</td>
<td>LATIN SMALL LETTER T WITH RETROFLEX HOOK</td>
<td>voiceless retroflex stop</td>
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<td>0289 u</td>
<td>LATIN SMALL LETTER U BAR</td>
<td>high central rounded vowel</td>
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<td>028A u</td>
<td>LATIN SMALL LETTER UPSILON</td>
<td>near-close near-back rounded vowel</td>
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<tr>
<td>028B u</td>
<td>LATIN SMALL LETTER V WITH HOOK</td>
<td>voiced labiodental approximant</td>
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<td>028C A</td>
<td>LATIN SMALL LETTER TURNED V</td>
<td>lower-mid back unrounded vowel</td>
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<td>028D m</td>
<td>LATIN SMALL LETTER TURNED W</td>
<td>voiceless labiovelar approximant</td>
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<td>028E A</td>
<td>LATIN SMALL LETTER TURNED Y</td>
<td>voiced lateral approximant</td>
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<td>028F y</td>
<td>LATIN LETTER SMALL CAPITAL Y</td>
<td>semi-high front rounded vowel</td>
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<td>LATIN SMALL LETTER Z WITH RETROFLEX HOOK</td>
<td>voiced retroflex fricative</td>
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<td>voiced alveolo-palatal laminal fricative</td>
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<td>0292 3</td>
<td>LATIN SMALL LETTER EZH</td>
<td>dramm sign</td>
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<td>0293 3</td>
<td>LATIN SMALL LETTER EZH WITH CURL</td>
<td>palatalized voiced postalveolar fricative</td>
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<td>0294 ?</td>
<td>LATIN LETTER GLOTTAL STOP</td>
<td>this is a caseless letter</td>
</tr>
<tr>
<td>0295 S</td>
<td>LATIN LETTER PHARYNGEAL VOICED FRICATIVE</td>
<td>reversed glottal stop</td>
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<td>0296 3</td>
<td>LATIN LETTER INVERTED GLOTTAL STOP</td>
<td>lateral click</td>
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<td>0297 C</td>
<td>LATIN LETTER STRETCHED C</td>
<td>palatal (or alveolar) click</td>
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<td>LATIN LETTER BILABIAL CLICK</td>
<td>bullseye</td>
</tr>
<tr>
<td>0299 B</td>
<td>LATIN LETTER SMALL CAPITAL B</td>
<td>bilabial trill</td>
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</tbody>
</table>
IPA Extensions

029A ø LATIN SMALL LETTER CLOSED OPEN E
  = closed epsilon
  • lower-mid front rounded vowel
  • non-IPA alternate for the preferred 0153 ø
  → 025E ø latin small letter closed open e

029B ꞑ LATIN LETTER SMALL CAPITAL G WITH HOOK
  • voiced uvular implosive

029C Ꞓ LATIN LETTER SMALL CAPITAL H
  • voiceless epiglottal fricative
  → 043D Ꞓ cyrillic small letter en
  → 1D34 Ꞓ modifier letter capital h
  → A7F8 Ꞓ modifier letter capital h with stroke

029D Ꞣ LATIN SMALL LETTER J WITH CROSSED-TAIL
  • voiced palatal fricative
  • uppercase is Ꞣ Ꞣ

029E ꞣ LATIN SMALL LETTER TURNED K
  • proposed for velar click
  • uppercase is Ꞣ Ꞣ
  • withdrawn by IPA in 1970
  → 1DF10 ꞣ latin letter small capital turned k

029F Ꞥ LATIN LETTER SMALL CAPITAL L
  • velar lateral approximant

02A0 ꞥ LATIN SMALL LETTER Q WITH HOOK
  • voiceless uvular implosive

02A1 Ꞧ LATIN LETTER GLOTTAL STOP WITH STROKE
  • voiceless epiglottal stop

02A2 ꞧ LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE
  • voiceless epiglottal fricative

02A3 Ꞩ LATIN SMALL LETTER DZ DIGRAPH
  • voiced dental affricate
  → AB66 Ꞩ latin small letter dz digraph with retroflex hook

02A4 ꞩ LATIN SMALL LETTER DEZH DIGRAPH
  • voiced postalveolar affricate

02A5 Ɦ LATIN SMALL LETTER DZ DIGRAPH WITH CURL
  • voiced alveolo-palatal affricate

02A6 Ɜ LATIN SMALL LETTER TS DIGRAPH
  • voiceless dental affricate
  → 01BE Ɜ latin small letter inverted glottal stop with stroke
  → AB67 Ɜ latin small letter ts digraph with retroflex hook

02A7 Ɡ LATIN SMALL LETTER TESH DIGRAPH
  • voiceless postalveolar affricate
  → A729 Ɡ latin small letter tz

02A8 Ɬ LATIN SMALL LETTER TC DIGRAPH WITH CURL
  • voiceless alveolo-palatal affricate

IPA characters for disordered speech

02A9 Ɪ LATIN SMALL LETTER FENG DIGRAPH
  • velopharyngeal fricative

02AA Ʞ LATIN SMALL LETTER LS DIGRAPH
  • lateral alveolar fricative (lisp)

02AB Ʇ LATIN SMALL LETTER LZ DIGRAPH
  • voiceless lateral alveolar fricative

02AC Ʝ LATIN LETTER BILABIAL PERCUSSIVE
  • audible lip smack

02AD Ꭓ LATIN LETTER BIDENTAL PERCUSSIVE
  • audible teeth gnashing

Additions for Sinology

02AE Ꞵ LATIN SMALL LETTER TURNED H WITH FISHHOOK

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