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 12.0

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

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-12.0/ for charts showing only the characters added in Unicode 12.0. See http://www.unicode.org/Public/12.0.0/charts/ for a complete archived file of character code charts for Unicode 12.0.

Disclaimer
These charts are provided as the online reference to the character contents of the Unicode Standard, Version 12.0 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 file, please consult the appropriate sections of The Unicode Standard, Version 12.0, online at http://www.unicode.org/versions/Unicode12.0.0/, 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 http://www.unicode.org/ucd/ and http://www.unicode.org/reports/ for a thorough understanding of the information contained in these additional sources is required for a successful implementation.

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<table>
<thead>
<tr>
<th></th>
<th>025</th>
<th>026</th>
<th>027</th>
<th>028</th>
<th>029</th>
<th>02A</th>
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<tbody>
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<td>VertexArray</td>
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</tbody>
</table>
### 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></td>
<td>• low central unrounded vowel</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 2C6F ა</td>
</tr>
<tr>
<td>0251</td>
<td>LATIN SMALL LETTER ALPHA</td>
</tr>
<tr>
<td></td>
<td>• latin small letter alpha</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 2C6D a</td>
</tr>
<tr>
<td>0252</td>
<td>LATIN SMALL LETTER TURNED ALPHA</td>
</tr>
<tr>
<td></td>
<td>• low back rounded vowel</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 2C70 د</td>
</tr>
<tr>
<td>0253</td>
<td>LATIN SMALL LETTER B WITH HOOK</td>
</tr>
<tr>
<td></td>
<td>• implosive bilabial stop</td>
</tr>
<tr>
<td></td>
<td>• Pan-Nigerian alphabet</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 0181 Б</td>
</tr>
<tr>
<td>0254</td>
<td>LATIN SMALL LETTER OPEN O</td>
</tr>
<tr>
<td></td>
<td>• typographically a turned c</td>
</tr>
<tr>
<td></td>
<td>• lowercase back rounded vowel</td>
</tr>
<tr>
<td></td>
<td>• in older Danish usage &quot;а&quot; means &quot;that is&quot;</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 0186 Ğ</td>
</tr>
<tr>
<td>0255</td>
<td>LATIN SMALL LETTER C WITH CURL</td>
</tr>
<tr>
<td></td>
<td>• voiceless alveolo-palatal laminal fricative</td>
</tr>
<tr>
<td></td>
<td>• used in transcription of Mandarin Chinese</td>
</tr>
<tr>
<td></td>
<td>• sound spelled with 015B ง in Polish</td>
</tr>
<tr>
<td>0256</td>
<td>LATIN SMALL LETTER D WITH TAIL</td>
</tr>
<tr>
<td></td>
<td>• d retroflex hook</td>
</tr>
<tr>
<td></td>
<td>• voiced retroflex stop</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 018A ǐ</td>
</tr>
<tr>
<td>0257</td>
<td>LATIN SMALL LETTER D WITH HOOK</td>
</tr>
<tr>
<td></td>
<td>• implosive dental or alveolar stop</td>
</tr>
<tr>
<td></td>
<td>• Ewe, Pan-Nigerian alphabet</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 018A ǐ</td>
</tr>
<tr>
<td>0258</td>
<td>LATIN SMALL LETTER REVERSED E</td>
</tr>
<tr>
<td></td>
<td>• upper-mid central unrounded vowel</td>
</tr>
<tr>
<td>0259</td>
<td>LATIN SMALL LETTER SCHWA</td>
</tr>
<tr>
<td></td>
<td>• mid-central unrounded vowel</td>
</tr>
<tr>
<td></td>
<td>• uppercase is 018F ֲ</td>
</tr>
<tr>
<td></td>
<td>• variant uppercase form 018E ֳ is associated with 010D ֳ</td>
</tr>
<tr>
<td></td>
<td>• 010D ֳ latin small letter turned e</td>
</tr>
<tr>
<td></td>
<td>• 0409 ֲ cyrillic small letter schwa</td>
</tr>
<tr>
<td>025A</td>
<td>LATIN SMALL LETTER SCHWA WITH HOOK</td>
</tr>
<tr>
<td></td>
<td>• rhotacized schwa</td>
</tr>
</tbody>
</table>

- **025B**: LATIN SMALL LETTER OPEN E
  - epsilon
  - • lower-mid front unrounded vowel
  - • uppercase is 0190 ＾
  - • 0385 ε: greek small letter epsilon

- **025C**: LATIN SMALL LETTER REVERSED OPEN E
  - • lower-mid central unrounded vowel
  - • uppercase is A7AB 3

- **025D**: LATIN SMALL LETTER REVERSED OPEN E WITH HOOK
  - • rhotacized lower-mid central vowel

- **025E**: LATIN SMALL LETTER CLOSED REVERSED OPEN E
  - • lower-mid central rounded vowel

- **025F**: LATIN SMALL LETTER DOTLESS J WITH STROKE
  - • voiced palatal stop
  - • typographically a turned e, but better thought of as a form of j
  - • "gy" in Hungarian orthography
  - • also archaic phonetic for palatoalveolar affricate

- **0260**: LATIN SMALL LETTER G WITH HOOK
  - • implosive velar stop
  - • uppercase is 0193 G

- **0261**: LATIN SMALL LETTER SCRIPT G
  - • voiced velar stop
  - • uppercase is A7AC ܓ
  - • 0067 ג: latin small letter g

- **0262**: LATIN SMALL LETTER CAPITAL G
  - • voiced uvular stop

- **0263**: LATIN SMALL LETTER GAMMA
  - • voiced velar fricative
  - • uppercase is 0194 Ύ
  - • 0383 Ƴ: greek small letter gamma

- **0264**: LATIN SMALL LETTER RAMS HORN
  - • latin small letter baby gamma (1.0)
  - • upper-mid back unrounded vowel

- **0265**: LATIN SMALL LETTER TURNED H
  - • rounded back palatal approximant
  - • uppercase is A78D 僎

- **0266**: LATIN SMALL LETTER H WITH HOOK
  - • breathy-voiced glottal fricative
  - • uppercase is A7AA ჈
  - • uppercase in Nawdm is 0124 ჹ
  - • 0281 ḷ: modifier letter small h with hook

- **0267**: LATIN SMALL LETTER HENG WITH HOOK
  - • voiceless coarticulated velar and palatoalveolar fricative
  - • "sj" in some Swedish dialects

- **0268**: LATIN SMALL LETTER I WITH STROKE
  - • barred i, i bar
  - • high central unrounded vowel
  - • uppercase is 0197 Ǐ
  - • ISO 6438 gives lowercase of 0197 as 026A, not 0268

- **0269**: LATIN SMALL LETTER IOTA
  - • semi-high front unrounded vowel
  - • obsoleted by IPA in 1989
  - • preferred use is 026A ی: latin letter small capital i
  - • uppercase is 0196 Ǐ
  - • 0389 ɟ: greek small letter iota

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LATIN SMALL LETTER SMALL CAPITAL I
- semi-high front unrounded vowel
- preferred IPA alternate for 0269 ı
- uppercase is A7E I
- glyph should have top and bottom serifs even in sans serif IPA font designs, to avoid confusion with lowercase i

LATIN SMALL LETTER L WITH MIDDLE TILDE
- velarized voiced alveolar lateral approximant
- uppercase is 2C62 L

LATIN SMALL LETTER L WITH BELT
- voiceless alveolar lateral fricative
- uppercase is A74D L

LATIN SMALL LETTER L WITH RETROFLEX HOOK
- voiced retroflex lateral

LATIN SMALL LETTER LEZH
- voiced lateral fricative
- "di“ in Zulu orthography

LATIN SMALL LETTER TURNED M
- high back unrounded vowel
- uppercase is 019C Ĺ

LATIN SMALL LETTER TURNED M WITH LONG LEG
- voiced velar approximant

LATIN SMALL LETTER M WITH HOOK
- voiced labiodental nasal
- uppercase is 2C6E M

LATIN SMALL LETTER N WITH LEFT HOOK
- voiced palatal nasal
- uppercase is 019D N

LATIN SMALL LETTER N WITH RETROFLEX HOOK
- voiced retroflex nasal

LATIN LETTER SMALL CAPITAL N
- voiced uvular nasal

LATIN SMALL LETTER BARRED O
- ø bar
- rounded mid-central vowel, i.e. rounded schwa
- uppercase is 019F Ø
- 03B8 Ø greek small letter theta
- 0473 Ø cyrillic small letter fita
- 04E9 Ø cyrillic small letter barred o

LATIN LETTER SMALL CAPITAL OE
- low front rounded vowel
- 0153 ø latin small ligature oe

LATIN SMALL LETTER CLOSED OMEGA
- semi-high back rounded vowel
- obsoleted by IPA in 1989
- preferred use is 028A ø latin small letter epsilon
- uppercase is A665 ø greek letter small capital omega

LATIN SMALL LETTER PHI
- voiceless bilabial fricative
- 03C6 ø greek small letter phi

LATIN SMALL LETTER TURNED R
- voice alveolar approximant
- 0284 Ô modifier letter small turned r

LATIN SMALL LETTER TURNED R WITH LONG LEG
- voiced lateral flap

LATIN SMALL LETTER TURNED R WITH HOOK
- voiced retroflex approximant
- 0285 Ô modifier letter small turned r with hook

LATIN SMALL LETTER R WITH LONG LEG
- voiced strident apico-alveolar trill
- obsoleted by IPA in 1989
- sound spelled with 0159 ŗ in Czech
- preferred phonetic representation for Czech is 0072 r 031D ř
- in current use in Gaelic types (as glyph variant of 0072 r)

LATIN SMALL LETTER R WITH TAIL
- voiced retroflex flap
- uppercase is 2C64 R

LATIN SMALL LETTER R WITH FISHHOOK
- voiced alveolar flap or tap

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 ŭ
- preferred presentation is with a descender

LATIN SMALL CAPITAL R
- voiced uvular trill
- Germanic, Old Norse
- uppercase is 01A6 R

LATIN LETTER SMALL CAPITAL INVERTED R
- voiced uvular fricative or approximant
- 0286 Ô modifier letter small capital inverted r

LATIN SMALL LETTER S WITH HOOK
- voiceless retroflex fricative
- uppercase is A7C5 $

LATIN SMALL LETTER ESH
- voiceless postalveolar fricative
- uppercase is 01A9 Σ
- 222B $ integral

LATIN SMALL LETTER DOTLESS J WITH STROKE AND HOOK
- implosive palatal stop
- typographically based on 025F j, not on 0283 j

LATIN SMALL LETTER SQUAT REVERSED ESH
- apical retroflex vowel
- used by linguists working on Chinese and other Sino-Tibetan languages
- IPA spelling - 0290 ř 0329 ŭ
- in origin 027F ɭ plus the retroflex hook 0322 Ʝ, despite its name
- preferred presentation is with a descender

LATIN SMALL LETTER ESH WITH CURL
- palatalized voiceless postalveolar fricative
- suggested spelling - 0283 j 02B2 j

LATIN SMALL LETTER TURNED T
- dental click (sound of "tsk tsk")
- uppercase is A7B1 ĵ
- 01C0 ĵ latin letter dental click

LATIN SMALL LETTER T WITH RETROFLEX HOOK
- voiceless retroflex stop
- uppercase is 01AE ĵ

LATIN SMALL LETTER U BAR
- high central rounded vowel
- uppercase is 0244 Ü
- 1D7E Ü latin small capital letter u with stroke