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## **Listing of IPA Characters**

Listing of IPA characters.

The following is a lising of all the supported IPA characters/glyphs.

**Table 1: Supported IPA Characters** 

Glyph	Unicode Value	Name	Туре	Features
#	U1c3	Latin Letter Retroflex Click	consonant	consonant lingual coronal alveolar voiceless stop obstruent click ingressive
(	U28	Left Parenthesis	open_paren	diacritic
)	U29	Right Parenthesis	close_paren	diacritic
*	U2a	Asterisk	cover_symbol	unintelligible
+	U2b	Plus sign	plus	
	U2e	Full Stop	period	halflong
C	U43	Latin Capital Letter C	cover_symbol	consonant
V	U56	Latin Capital Letter V	cover_symbol	vowel
G	U47	Latin Capital Letter G	cover_symbol	glide
a	U61	Latin Small Letter A	vowel	vowel low lax central
b	U62	Latin Small Letter B	consonant	consonant labial bilabial voiced stop obstruent
c	U63	Latin Small Letter C	consonant	consonant posterior palatal lingual coronal voiceless stop obstruent
d	U64	Latin Small Letter D	consonant	consonant lingual coronal anterior alveolar voiced stop obstruent
e	U65	Latin Small Letter E	vowel	vowel mid tense atr front
f	U66	Latin Small Letter F	consonant	consonant labial dental voiceless continuant obstruent fricative
g	U67	Latin Small Letter G	consonant	consonant dorsal lingual velar voiced stop obstruent
h	U68	Latin Small Letter H	consonant	consonant guttural laryngeal voiceless continuant obstruent fricative
i	U69	Latin Small Letter I	vowel	vowel high tense atr front
j	U6a	Latin Small Letter J	glide	consonant glide posterior palatal lingual coronal voiced approximant continuant sonorant

Glyph	Unicode Value	Name	Туре	Features
k	U6b	Latin Small Letter K	consonant	consonant dorsal lingual velar voiceless stop obstruent
1	U6c	Latin Small Letter L	consonant	consonant lingual coronal anterior alveolar voiced approximant liquid lateral continuant sonorant
m	U6d	Latin Small Letter M	consonant	consonant labial bilabial voiced stop sonorant nasal
n	U6e	Latin Small Letter N	consonant	consonant lingual coronal anterior alveolar voiced stop sonorant nasal
О	U6f	Latin Small Letter O	vowel	vowel round mid tense atr back
p	U70	Latin Small Letter P	consonant	consonant labial bilabial voiceless stop obstruent
q	U71	Latin Small Letter Q	consonant	consonant uvular lingual dorsal voiceless stop obstruent
r	U72	Latin Small Letter R	consonant	consonant lingual coronal anterior alveolar voiced approximant liquid rhotic continuant sonorant trill
S	U73	Latin Small Letter S	consonant	consonant lingual coronal anterior alveolar voiceless continuant obstruent fricative strident
t	U74	Latin Small Letter T	consonant	consonant lingual coronal anterior alveolar voiceless stop obstruent
u	U75	Latin Small Letter U	vowel	vowel round high tense atr back
v	U76	Latin Small Letter V	consonant	consonant labial dental voiced continuant obstruent fricative
w	U77	Latin Small Letter W	glide	consonant glide labial bilabial dorsal lingual velar voiced approximant continuant sonorant
X	U78	Latin Small Letter X	consonant	consonant dorsal lingual velar voiceless continuant obstruent fricative
у	U79	Latin Small Letter Y	vowel	vowel round high tense atr front
z	U7a	Latin Small Letter Z	consonant	consonant lingual coronal anterior alveolar voiced continuant obstruent fricative strident
i	Ua1	Inverted Exclamation Mark	consonant	consonant subapical click ingressive coronal lingual anterior stop voiceless
#1	Ub9	Superscript One (Number 1)	suffix_diacritic	diacritic tone1
#2	Ub2	Superscript Two (Number 2)	suffix_diacritic	diacritic tone2
#3	Ub3	Superscript Three (Number 3)	suffix_diacritic	diacritic tone3

Glyph	Unicode Value	Name	Туре	Features
##	U2074	Superscript Four (Number 4)	suffix_diacritic	diacritic tone4
##	U2075	Superscript Five (Number 5)	suffix_diacritic	diacritic tone5
##	U2076	Superscript Six (Number 6)	suffix_diacritic	diacritic tone6
##	U2077	Superscript Seven (Number 7)	suffix_diacritic	diacritic tone7
##	U2078	Superscript Eight (Number 8)	suffix_diacritic	diacritic tone8
##	U2079	Superscript Nine (Number 9)	suffix_diacritic	diacritic tone9
þ	Ufe	Latin Small Letter Thorn	consonant	consonant lingual coronal anterior dental distributed voiceless continuant obstruent fricative
æ	Ue6	Latin Small Letter AE	vowel	vowel low lax front
ç	Ue7	Latin Small Letter C with cedilla	consonant	consonant posterior palatal lingual coronal voiceless continuant obstruent fricative strident
ð	Uf0	Latin Small Letter Eth	consonant	consonant lingual coronal anterior dental distributed voiced continuant obstruent fricative
ø	Uf8	Latin Small Letter O with Stroke	vowel	vowel round mid tense atr front
#	U127	Latin Small Letter H with Stroke	consonant	consonant guttural pharyngeal voiceless continuant obstruent fricative
#	U14b	Latin Small Letter Eng	consonant	consonant dorsal lingual velar voiced stop sonorant nasal
œ	U153	Latin Small Ligature OE	vowel	vowel round mid rtr lax front
#	U180	Latin Small Letter B with Stroke	consonant	consonant labial bilabial voiced continuant obstruent fricative
#	U111	Latin Small Letter D with Stroke	consonant	
#	U188	Latin Small Letter C with Hook	consonant	consonant posterior palatal lingual coronal voiceless stop obstruent implosive

Glyph	Unicode Value	Name	Туре	Features
#	U195	Latin Small Letter HV	consonant	consonant glide labial bilabial round voiceless approximant continuant
#	U199	Latin Small Letter K with Hook	consonant	consonant dorsal implosive ingressive obstruent lingual velar voiceless
#	U19b	Latin Small Letter Lamda with Stroke	consonant	consonant lingual coronal anterior alveolar voiceless lateral obstruent affricate
#	U19e	Latin Small Letter N with Long Right Leg	consonant	consonant lingual coronal anterior alveolar voiced stop sonorant nasal
#	U1a5	Latin Small Letter P with Hook	consonant	consonant labial bilabial voiceless stop obstruent implosive
#	U1ab	Latin Small Letter T with Palatal Hook	consonant	consonant posterior palatal lingual coronal anterior alveolar voiceless stop obstruent
#	U1b9	Latin Small Letter Ezh Reversed	consonant	consonant guttural pharyngeal voiced continuant obstruent fricative
#	U1ba	Latin Small Letter Ezh with Tail	consonant	consonant labial round lingual coronal posterior alveopalatal distributed voiced continuant obstruent fricative
#	U1c0	Latin Letter Dental Click	consonant	consonant lingual coronal anterior dental voiceless stop obstruent click ingressive
#	U1c1	Latin Letter Lateral Click	consonant	consonant lingual coronal anterior alveolar voiceless lateral stop obstruent click ingressive
#	U1c2	Latin Letter Alveopalatal Click	consonant	consonant lingual coronal posterior alveopalatal voiceless stop obstruent click ingressive
#	U234	Latin Small Letter L with Curl	consonant	consonant continuant lingual coronal lateral liquid palatal posterior alveopalatal sonorant voiced
#	U235	Latin Small Letter N with Curl	consonant	consonant lingual coronal nasal posterior alveopalatal sonorant voiced
#	U236	Latin Small Letter T with Curl	consonant	consonant lingual coronal obstruent posterior alveopalatal stop voiceless
#	U250	Latin Small Letter Turned A	vowel	vowel low mid lax central
#	U251	Latin Small Letter Alpha	vowel	vowel low lax back

Glyph	Unicode Value	Name	Туре	Features
#	U252	Latin Small Letter Turned Alpha	vowel	vowel round low lax back
#	U253	Latin Small Letter B with Hook	consonant	consonant labial bilabial voiced stop obstruent implosive ingressive
#	U254	Latin Small Letter Open O	vowel	vowel round mid rtr lax back
#	U255	Latin Small Letter C with Curl	consonant	consonant laminal lingual coronal posterior palatal voiceless continuant obstruent fricative strident distributed
#	U256	Latin Small Letter D with Tail	consonant	consonant posterior retroflex lingual coronal voiced stop obstruent
#	U257	Latin Small Letter D with Hook	consonant	consonant lingual coronal anterior alveolar voiced stop obstruent implosive ingressive
#	U258	Latin Small Letter Reversed E	vowel	vowel mid tense atr central
#	U259	Latin Small Letter Schwa	vowel	vowel schwa mid rtr lax central
#	U25a	Latin Small Letter Schwa with Hook	vowel	vowel schwa rhotic mid rtr lax central
#	U25b	Latin Small Letter Open E	vowel	vowel mid rtr lax front
#	U25c	Latin Small Letter Reversed Open E	vowel	vowel mid rtr lax central
#	U25d	Latin Small Letter Reversed Open E with Hook	vowel	vowel rhotic mid rtr lax central
#	U25e	Latin Small Letter Closed Reversed Open E	vowel	vowel round mid rtr lax central
#	U25f	Latin Small Letter Dotless J with Stroke	consonant	consonant posterior palatal lingual coronal voiced stop obstruent
#	U260	Latin Small Letter G with Hook	consonant	consonant dorsal lingual velar voiced stop obstruent implosive ingressive

Glyph	Unicode Value	Name	Туре	Features
#	U261	Latin Small Letter Script G	consonant	consonant dorsal lingual velar voiced stop obstruent
#	U262	Latin Letter Small Capital G	consonant	consonant uvular lingual dorsal voiced stop obstruent
#	U263	Latin Small Letter Gamma	consonant	consonant dorsal lingual velar voiced continuant obstruent fricative
#	U264	Latin Small Letter Ram's Horns	vowel	vowel mid tense atr back
#	U265	Latin Small Letter Turned H	glide	consonant glide labial bilabial palatal lingual coronal voiced approximant continuant sonorant
#	U266	Latin Small Letter H with Hook	consonant	consonant guttural laryngeal voiced continuant obstruent fricative
#	U267	Latin Small Letter Heng with Hook	consonant	consonant dorsal velar lingual coronal posterior alveopalatal voiceless continuant obstruent fricative
#	U268	Latin Small Letter I with Stroke	vowel	vowel high tense atr central
#	U269	Latin Small Letter Iota	vowel	vowel high rtr lax front
#	U26a	Latin Letter Small Capital I	vowel	vowel high rtr lax front
#	U26b	Latin Small Letter L with middle Tilde	consonant	consonant velar lingual coronal anterior alveolar voiced approximant liquid lateral continuant sonorant
#	U26c	Latin Small Letter L with Belt	consonant	consonant lingual coronal anterior alveolar voiceless lateral continuant sonorant fricative
#	U26d	Latin Small Letter L with Retroflex Hook	consonant	consonant posterior retroflex lingual coronal voiced approximant liquid lateral continuant sonorant
#	U26e	Latin Small Letter LEzh	consonant	consonant lingual coronal anterior alveolar voiced lateral continuant sonorant fricative
#	U26f	Latin Small Letter Turned M	vowel	vowel high tense atr back
#	U270	Latin Small Letter Turned M with Long Leg	glide	consonant glide dorsal lingual velar voiced approximant continuant sonorant
#	U271	Latin Small Letter M with Hook	consonant	consonant labial dental voiced stop sonorant nasal

Glyph	Unicode Value	Name	Туре	Features
#	U272	Latin Small Letter N with Left Hook	consonant	consonant palatal voiced stop sonorant nasal lingual coronal posterior
#	U273	Latin Small Letter N with Retroflex Hook	consonant	consonant retroflex voiced stop sonorant nasal lingual coronal posterior
#	U274	Latin Letter Small Capital N	consonant	consonant uvular lingual dorsal voiced stop sonorant nasal
#	U275	Latin Small Letter Barred O	vowel	vowel round mid tense atr central
#	U276	Latin Letter Small Capital OE	vowel	vowel round low lax front
#	U277	Latin Small Letter Closed Omega	vowel	vowel high rtr lax back
#	U278	Latin Small Letter Phi	consonant	consonant labial bilabial voiceless continuant obstruent fricative
#	U279	Latin Small Letter Turned R	consonant	consonant lingual coronal anterior alveolar voiced approximant liquid rhotic continuant sonorant
#	U27a	Latin Small Letter Turned R with Long Leg	consonant	consonant lingual coronal anterior alveolar voiced approximant liquid lateral continuant sonorant flap
#	U27b	Latin Small Letter Turned R with Hook	consonant	consonant posterior retroflex lingual coronal voiced approximant liquid rhotic continuant sonorant
#	U27c	Latin Small Letter R with Long Leg	consonant	alveolar consonant lingual coronal fricative obstruent trill voiced
#	U27d	Latin Small Letter R with Tail	consonant	consonant posterior retroflex lingual coronal voiced approximant liquid rhotic continuant sonorant flap
#	U27e	Latin Small Letter R with Fish Hook	consonant	consonant lingual coronal anterior alveolar voiced approximant liquid rhotic continuant sonorant flap
#	U27f	Latin Small Letter Reversed R with Fish Hook	consonant	
#	U280	Latin Letter Small Capital R	consonant	consonant uvular lingual dorsal voiced approximant liquid rhotic continuant sonorant trill
#	U281	Latin Letter Small Capital Inverted R	consonant	consonant uvular lingual dorsal voiced rhotic continuant fricative obstruent

Glyph	Unicode Value	Name	Туре	Features
#	U282	Latin Small Letter S with Hook	consonant	consonant posterior retroflex lingual coronal voiceless continuant obstruent fricative strident
#	U283	Latin Small Letter Esh	consonant	consonant laminal lingual coronal posterior alveopalatal distributed voiceless continuant obstruent fricative strident
#	U284	Latin Small Letter Dotless J with Stroke and Hook	consonant	consonant posterior palatal lingual coronal voiced stop obstruent implosive ingressive
#	U286	Latin Small Letter Esh with Curl	consonant	consonant palatal lingual coronal posterior alveopalatal distributed voiceless continuant obstruent fricative
#	U287	Latin Small Letter Turned T	consonant	consonant lingual coronal anterior voiceless stop obstruent click ingressive
#	U288	Latin Small Letter T with Retroflex Hook	consonant	consonant posterior retroflex lingual coronal voiceless stop obstruent
#	U289	Latin Small Letter U Bar	vowel	vowel round high tense atr central
#	U28a	Latin Small Letter Upsilon	vowel	vowel round high rtr lax back
#	U28b	Latin Small Letter V with Hook	consonant	consonant labial bilabial voiced approximant continuant sonorant glide
#	U28c	Latin Small Letter Turned V	vowel	vowel mid rtr lax back
#	U28d	Latin Small Letter Turned W	consonant	consonant labial bilabial velar dorsal lingual voiceless obstruent continuant fricative
#	U28e	Latin Small Letter Turned Y	consonant	consonant posterior palatal lingual coronal voiced approximant liquid lateral continuant sonorant
#	U28f	Latin Letter Small Capital Y	vowel	vowel round high rtr lax front
#	U290	Latin Small Letter Z with Retroflex Hook	consonant	consonant posterior retroflex lingual coronal voiced continuant obstruent fricative strident
#	U291	Latin Small Letter Z with Curl	consonant	consonant laminal lingual coronal posterior palatal voiced continuant obstruent fricative strident distributed
#	U292	Latin Small Letter Ezh	consonant	consonant laminal lingual coronal posterior alveopalatal distributed voiced obstruent fricative strident continuant

Glyph	Unicode Value	Name	Туре	Features
#	U2a3	Latin Small Letter DZ Digraph	consonant	consonant lingual coronal anterior alveolar voiced obstruent affricate strident
#	U2a4	Latin Small Letter DEzh Digraph	consonant	consonant lingual coronal posterior alveopalatal laminal distributed voiced obstruent affricate strident
#	U2a5	Latin Small Letter DZ Digraph with Curl	consonant	consonant lingual coronal posterior palatal laminal distributed voiced obstruent affricate strident
#	U2a6	Latin Small Letter TS Digraph	consonant	consonant lingual coronal anterior alveolar voiceless obstruent affricate strident
#	U2a7	Latin Small Letter TEsh Digraph	consonant	consonant lingual coronal posterior alveopalatal laminal distributed voiceless obstruent affricate strident
#	U2a8	Latin Small Letter TC Digraph with Curl	consonant	consonant lingual coronal posterior palatal laminal distributed voiceless obstruent affricate strident
#	U2a9	Latin Small Letter FEng Digraph	consonant	consonant fricative nasal velopharyngeal velopharyngealfricative
#	U2aa	Latin Small Letter LS Digraph	consonant	consonant alveolar anterior continuant lingual coronal fricative lateral obstruent voiceless
#	U2ab	Latin Small Letter LZ Digraph	consonant	consonant alveolar anterior continuant lingual coronal fricative lateral obstruent voiced
#	U2ac	Latin Letter Bilabial Percussive	consonant	consonant bilabial labial percussive
#	U2ad	Latin Letter Bidental Percussive	consonant	consonant dental lowerdental percussive
#	U2ae	Latin Small Letter Turned H with Fish Hook	vowel	vowel round high rtr lax central back
##	U2b0	Modifying Letter Small H	suffix_diacritic	diacritic aspirated
##	U2b1	Modifying Letter Small H with Hook	suffix_diacritic	diacritic breathyvoiced
##	U2b2	Modifying Letter Small J	suffix_diacritic	diacritic palatal

Glyph	Unicode Value	Name	Туре	Features
##	U2b3	Modifying Letter Small R	suffix_diacritic	diacritic rhotic
##	U2b4	Modifying Letter Small Turned R	suffix_diacritic	diacritic rhotic
##	U2b5	Modifying Letter Small Turned R with Hook	suffix_diacritic	diacritic rhotic
##	U2b6	Modifying Letter Small Capital Inverted R	suffix_diacritic	diacritic rhotic
##	U2b7	Modifying Letter Small W	suffix_diacritic	diacritic labial
##	U2b8	Modifying Letter Small Y	suffix_diacritic	diacritic
##	U2bb	Modifying Letter Turned Comma	suffix_diacritic	diacritic aspirated
##	U2bc	Modifying Letter Apostrophe	suffix_diacritic	diacritic ejective
##	U2bd	Modifying Letter Reversed Comma	suffix_diacritic	diacritic weaklyaspirated
##	U2be	Modifying Letter Right Half Ring	suffix_diacritic	diacritic
##	U2bf	Modifying Letter Left Half Ring	suffix_diacritic	diacritic
##	U2c0	Modifying Letter Glottal Stop	suffix_diacritic	diacritic laryngeal
##	U2c1	Modifying Letter Reversed Glottal Stop	suffix_diacritic	
#	U2c8	Modifying Letter Vertical Line	primary_stress	diacritic prstress
#	U2cc	Modifying Letter Low Vertical Line	secondary_stress	diacritic secstress
#	U2d0	Modifying Letter	long	diacritic long

Glyph	Unicode Value	Name	Туре	Features
##	U306	Combining Breve	combining_diacritic	diacritic extrashort
##	U307	Combining Dot Above	combining_diacritic	diacritic palatal lingual coronal
##	U308	Combining Diaeresis	combining_diacritic	diacritic central
##	U30a	Combining Ring Above	combining_diacritic	diacritic voiceless
##	U30b	Combining Double Acute Accent	combining_diacritic	diacritic toneextrahigh
##	U30c	Combining Caron	combining_diacritic	diacritic tonerising
##	U30f	Combining Double Grave Accent	combining_diacritic	diacritic toneextralow
##	U311	Combining Inverted Breve	combining_diacritic	diacritic fronted
##	U318	Combining Left Tack Below	combining_diacritic	diacritic atr
##	U319	Combining Right Tack Below	combining_diacritic	diacritic rtr
##	U31a	Combining Left Angle Above	combining_diacritic	diacritic unreleased
##	U31c	Combining Left Half Ring Below	combining_diacritic	diacritic lessrounded
##	U31d	Combining Up Tack Below	combining_diacritic	diacritic raised
##	U31e	Combining Down Tack Below	combining_diacritic	diacritic lowered
##	U31f	Combining Plus Sign Below	combining_diacritic	diacritic advanced
##	U320	Combining Minus Sign Below	combining_diacritic	diacritic retracted
##	U321	Combining Palatal Hook	combining_diacritic	diacritic palatal
##	U322	Combining Reversed Palatal Hook	combining_diacritic	diacritic palatal

Glyph	Unicode Value	Name	Туре	Features
##	U323	Combining Dot Below	combining_diacritic	diacritic halflong
##	U324	Combining Diaeresis Below	combining_diacritic	diacritic breathyvoiced
##	U325	Combining Ring Below	combining_diacritic	diacritic voiceless
##	U329	Combining Vertical Line Below	combining_diacritic	diacritic syllabic
##	U32a	Combining Bridge Below	combining_diacritic	diacritic dental
##	U32c	Combining Caron Below	combining_diacritic	diacritic voiced
##	U32f	Combining Inverted Breve Below	combining_diacritic	diacritic nonsyllabic
##	U330	Combining Tilde Below	combining_diacritic	diacritic creakyvoiced
##	U334	Combining Tilde Overlay	combining_diacritic	diacritic pharyngeal velar
##	U339	Combining Right Half Ring Below	combining_diacritic	diacritic morerounded
##	U33a	Combining Inverted Bridge Below	combining_diacritic	diacritic apical
##	U33b	Combining Square Below	combining_diacritic	diacritic laminal
##	U33c	Combining Seagull Below	combining_diacritic	diacritic labial
##	U33d	Combining X Above	combining_diacritic	diacritic mid central
##	U346	Combining Bridge Above	combining_diacritic	diacritic lowerdental
##	U347	Combining Equal Sign Below	combining_diacritic	diacritic alveolar
##	U348	Combining Double Vertical Line Below	combining_diacritic	diacritic strongarticulation
##	U349	Combining Left Angle Below	combining_diacritic	diacritic weakarticulation
##	U34a	Combining Not Tilde Above	combining_diacritic	diacritic denasalized

Glyph	Unicode	Name	Туре	Features
	Value			
##	Uf175	Rising Falling Tone	combining_diacritic	diacritic tonerisingfalling
##	Uf179	Falling Rising Tone	combining_diacritic	diacritic tonefallingrising
##	Uf19c	Tone Upstep	suffix_diacritic	
##	Uf19d	Tone Downstep	suffix_diacritic	
#	U2c71	Latin Small Letter V with Right Hook	consonant	consonant continuant approximant flap labial dental sonorant voiced
##	U335	Combining Short Stroke Overlay - Affix Diacritic Role Switcher	role_reversal	
f	U192	Latin Small Letter F with Hook	consonant	consonant labial bilabial voiceless continuant obstruent fricative
#	Uf20b	Latin Small Letter C with Slash	consonant	consonant dental lingual coronal anterior alveolar voiceless obstruent affricate strident
#	Uf241	Latin Small Letter QP	consonant	consonant labial dental voiceless stop obstruent
	U20	Space	space	