This file lists IPA symbols and definitions with information about their Unicode characters.

The list follows the organization of the IPA chart.

Each IPA symbol is given in three SIL Unicode phonetic fonts (DoulosSIL, GentiumPlus, CharisSILCompact).

Each symbol is followed by its Unicode hex ID number, character set, and character name.

Pulmonic Consonants

Doul	Gent	Char	hex	where	name	IPA definition	note
p	p	p	0070	Basic Latin	LATIN SMALL LETTER P	vl bilabial plosive	
b	b	b	0062	Basic Latin	LATIN SMALL LETTER B	vd bilabial plosive	
m	m	m	006D	Basic Latin	LATIN SMALL LETTER M	vd bilabial nasal	
В	В	В	0299	IPA Extensions	LATIN LETTER SMALL CAPITAL B	vd bilabial trill	
ф	ф	φ	0278	IPA Extensions	LATIN SMALL LETTER PHI	vl bilabial fricative	
β	β	β	03B2	Greek	GREEK SMALL LETTER BETA	vd bilabial fricative	
m	m	ŋ	0271	IPA Extensions	LATIN SMALL LETTER M W/ HOOK	vd labiodental nasal	
V	V	v	2C71	Latin-Extended C	LATIN SMALL LETTER V W/ RIGHT HOOK	vd labiodental flap	F25F in these fonts
f	f	f	0067	Basic Latin	LATIN SMALL LETTER F	vl labiodental fricative	
v	V	v	0076	Basic Latin	LATIN SMALL LETTER V	vd labiodental fricative	
υ	υ	υ	028B	IPA Extensions	LATIN SMALL LETTER V W/ HOOK	vd labiodental approximant	
t	t	t	0074	Basic Latin	LATIN SMALL LETTER T	vl alveolar plosive	
d	d	d	0064	Basic Latin	LATIN SMALL LETTER D	vd alveolar plosive	
n	n	n	006E	Basic Latin	LATIN SMALL LETTER N	vd alveolar nasal	
r	r	r	0072	Basic Latin	LATIN SMALL LETTER R	vd alveolar trill	
ſ	ſ	ſ	027E	IPA Extensions	LATIN SMALL LETTER R W/ FISHHOOK	vd alveolar tap	
θ	θ	θ	03B8	Greek	GREEK SMALL LETTER THETA	vl dental fricative	

ð	ð	ð	00F0	Latin-1 suppl.	LATIN SMALL LETTER ETH	vd dental fricative	
S	S	S	0073	Basic Latin	LATIN SMALL LETTER S	vl alveolar fricative	
Z	Z	Z	007A	Basic Latin	LATIN SMALL LETTER Z	vd alveolar fricative	
ſ	ſ	ſ	0283	IPA Extensions	LATIN SMALL LETTER ESH	vl postalveolar fricative	
3	3	3	0292	IPA Extensions	LATIN SMALL LETTER EZH	vd postalveolar fricative	
4	ļ	4	026C	IPA Extensions	LATIN SMALL LETTER L W/ BELT	vl lateral alveolar fricative	
В	ß	В	026E	IPA Extensions	LATIN SMALL LETTER LEZH	vd lateral alveolar fricative	
Ţ	J	Ţ	0279	IPA Extensions	LATIN SMALL LETTER TURNED R	vd alveolar approximant	
1	1	1	006C	Basic Latin	LATIN SMALL LETTER L	vd lateral alveolar approximant	
t	t	t	0288	IPA Extensions	LATIN SMALL LETTER T W/ RETROFLEX HOOK	vl retroflex plosive	
d	d	đ	0256	IPA Extensions	LATIN SMALL LETTER D W/ TAIL	vd retroflex plosive	
η	η	η	0273	IPA Extensions	LATIN SMALL LETTER N W/ RETROFLEX HOOK	vd retroflex nasal	
t	r	τ	027D	IPA Extensions	LATIN SMALL LETTER R W/ TAIL	vd retroflex flap	
ş	ş	ş	0282	IPA Extensions	LATIN SMALL LETTER S W/ HOOK	vl retroflex fricative	
$Z_{\!\scriptscriptstyle ullet}$	Z _L	$\mathbf{Z}_{\!\!L}$	0290	IPA Extensions	LATIN SMALL LETTER Z W/ RETROFLEX HOOK	vd retroflex fricative	
Ł	ન	Ł	027B	IPA Extensions	LATIN SMALL LETTER TURNED R W/ HOOK	vd retroflex approximant	
l	l	l	026D	IPA Extensions	LATIN SMALL LETTER L W/ RETROFLEX HOOK	vd retroflex lateral approximant	
c	С	c	0063	Basic Latin	LATIN SMALL LETTER C	vl palatal plosive	
f	J	j	025F	IPA Extensions	LATIN SMALL LETTER DOTLESS J W/ STROKE	vd palatal plosive	
ŋ	n	ŋ	0272	IPA Extensions	LATIN SMALL LETTER N W/ LEFT HOOK	vd palatal nasal	
ç	Ç	Ç	00E7	Latin-1 suppl.	LATIN SMALL LETTER C W/ CEDILLA	vl palatal fricative	
j	j	j	029D	IPA Extensions	LATIN SMALL LETTER J W/ CROSSED-TAIL	vd palatal fricative	
j	j	j	006A	Basic Latin	LATIN SMALL LETTER J	vd palatal approximant	
λ	λ	λ	028E	IPA Extensions	LATIN SMALL LETTER TURNED Y	vd palatal lateral approximant	
k	k	k	006B	Basic Latin	LATIN SMALL LETTER K	vl velar plosive	
g	g	g	0261	IPA Extensions	LATIN SMALL LETTER SCRIPT G	vd velar plosive	Ascii g 0067 also ok

ŋ	ŋ	ŋ	014B	Latin-Extended A	LATIN SMALL LETTER ENG	vd velar nasal
X	X	X	0078	Basic Latin	LATIN SMALL LETTER X	vl velar fricative
Y	γ	γ	0263	IPA Extensions	LATIN SMALL LETTER GAMMA	vd velar fricative
щ	щ	щ	0270	IPA Extensions	LATIN SMALL LETTER TURNED M W/ LONG LEG	vd velar approximant
L	L	L	029F	IPA Extensions	LATIN LETTER SMALL CAPITAL L	vd velar lateral approximant
q	q	q	0071	Basic Latin	LATIN SMALL LETTER Q	vl uvular plosive
G	G	G	0262	IPA Extensions	LATIN LETTER SMALL CAPITAL G	vd uvular plosive
N	N	N	0274	IPA Extensions	LATIN LETTER SMALL CAPITAL N	vd uvular nasal
R	R	R	0280	IPA Extensions	LATIN LETTER SMALL CAPITAL R	vd uvular trill
χ	χ	χ	03C7	Greek	GREEK SMALL LETTER CHI	vl uvular fricative
R	R	R	0281	IPA Extensions	LATIN LETTER SMALL CAPITAL INVERTED R	vd uvular fricative
ħ	ħ	ħ	0127	Latin-Extended A	LATIN SMALL LETTER H W/ STROKE	vl pharyngeal fricative
?	?	?	0295	IPA Extensions	LATIN LETTER PHARYNGEAL VOICED FRICATIVE	vd pharyngeal fricative
?	?	?	0294	IPA Extensions	LATIN LETTER GLOTTAL STOP	vl glottal plosive
h	h	h	0068	Basic Latin	LATIN SMALL LETTER H	vl glottal fricative
ĥ	ĥ	ĥ	0266	IPA Extensions	LATIN SMALL LETTER H W/ HOOK	vd glottal fricative

Non-pulmonic consonants

Doul	Gent	Char	hex	where	name	IPA definition
\odot	0	\odot	0298	IPA Extensions	LATIN LETTER BILABIAL CLICK	bilabial click
			01C0	Latin-Extended B	LATIN LETTER DENTAL CLICK	dental click
!	!	!	01C3	Latin-Extended B	LATIN LETTER RETROFLEX CLICK	(post)alveolar click
ŧ	ŧ	‡	01C2	Latin-Extended B	LATIN LETTER ALVEOLAR CLICK	palatoalveolar click

			01C1	Latin-Extended B	LATIN LETTER LATERAL CLICK	alveolar lateral click
6	6	6	0253	IPA Extensions	LATIN SMALL LETTER B W/ HOOK	vd bilabial implosive
ď	ď	ď	0257	IPA Extensions	LATIN SMALL LETTER D W/ HOOK	vd dental/alveolar implosive
f	f	f	0284	IPA Extensions	LATIN SMALL LETTER DOTLESS J W/ STROKE AND HOOK	vd palatal implosive
g	g	g	0260	IPA Extensions	LATIN SMALL LETTER G W/ HOOK	vd velar implosive
G	ď	ď	029B	IPA Extensions	LATIN LETTER SMALL CAPITAL G W/ HOOK	vd uvular implosive
,	,	,	02BC	Spacing mod. letters	MODIFIER LETTER APOSTROPHE	ejective diacritic

Other Symbols

Doul Gent Char hex where name	IPA definition
M M M 028D IPA Extensions LATIN SMALL LETTER TURNED W	vl labial-velar fricative
W W W 0077 Basic Latin LATIN SMALL LETTER W	vd labial-velar approximant
ų ų ų 0265 IPA Extensions LATIN SMALL LETTER TURNED H	vd labial-palatal approximant
H H O29C IPA Extensions LATIN LETTER SMALL CAPITAL H	vl epiglottal fricative
\S \S 02A2 IPA Extensions LATIN LETTER REVERSED GLOTTAL STOP W/ STROKE	vd epiglottal fricative
2 2 02A1 IPA Extensions LATIN LETTER GLOTTAL STOP W/ STROKE	vd epiglottal plosive
ç ε c 0255 IPA Extensions LATIN SMALL LETTER C W/ CURL	vl alveolo-palatal fricative
z z z 0291 IPA Extensions LATIN SMALL LETTER Z W/ CURL	vd alveolo-palatal fricative
$oldsymbol{1}$ $oldsymbol{J}$ 027A IPA Extensions LATIN SMALL LETTER TURNED R W/ LONG LEG	vd alveolar lateral flap
ந் ந் 0267 IPA Extensions LATIN SMALL LETTER HENG W/ HOOK	simultaneous \int and x
\widehat{xx} \widehat{xx} \widehat{xx} 0361 Combining diacr. marks COMBINING DOUBLE INVERTED BREVE	tie bar (above)
XX XX XX 035C Combining diacr. marks COMBINING DOUBLE BREVE BELOW	tie bar (below)

Vowels

Doul	Gent	Char	hex	where	name	IPA definition
i	i	i	0069	Basic Latin	LATIN SMALL LETTER I	close front unrounded vowel
y	у	y	0079	Basic Latin	LATIN SMALL LETTER Y	close front rounded vowel
I	I	I	026A	IPA Extensions	LATIN LETTER SMALL CAPITAL I	lowered-close front unrounded vowel
Y	Y	Y	028F	IPA Extensions	LATIN LETTER SMALL CAPITAL Y	lowered-close front rounded vowel
e	e	e	0065	Basic Latin	LATIN SMALL LETTER E	close-mid front unrounded vowel
Ø	Ø	Ø	00F8	Latin-1 supplement	LATIN SMALL LETTER O W/ STROKE	close-mid front rounded vowel
ε	ε	ε	025B	IPA Extensions	LATIN SMALL LETTER OPEN E	open-mid front unrounded vowel
œ	œ	œ	0153	Latin-Extended A	LATIN SMALL LIGATURE OE	open-mid front rounded vowel
æ	æ	æ	00E6	Latin-1 supplement	LATIN SMALL LETTER AE	raised-open front unrounded vowel
a	a	a	0061	Basic Latin	LATIN SMALL LETTER A	open front unrounded vowel
Œ	Œ	Œ	0276	IPA Extensions	LATIN LETTER SMALL CAPITAL OE	open front rounded vowel
i	i	i	0268	IPA Extensions	LATIN SMALL LETTER I W/ STROKE	close central unrounded vowel
u	u	ŧ	0289	IPA Extensions	LATIN SMALL LETTER U BAR	close central rounded vowel
е	9	е	0258	IPA Extensions	LATIN SMALL LETTER REVERSED E	close-mid central unrounded vowel
Θ	Θ	θ	0275	IPA Extensions	LATIN SMALL LETTER BARRED O	close-mid central rounded vowel
ə	Э	e G	0259	IPA Extensions	LATIN SMALL LETTER SCHWA	mid central unrounded vowel
3	3	3	025C	IPA Extensions	LATIN SMALL LETTER REVERSED OPEN E	open-mid central unrounded vowel
в	в	В	025E	IPA Extensions	LATIN SMALL LETTER CLOSED REVERSED OPEN E	open-mid central rounded vowel
g	ь	я	2050	IPA Extensions	LATIN SMALL LETTER TURNED A	raised-open central unrounded vowel
w	ш	w	026F	IPA Extensions	LATIN SMALL LETTER TURNED M	close back unrounded vowel
u	u	u	0075	Basic Latin	LATIN SMALL LETTER U	close back rounded vowel
υ	σ	υ	028A	IPA Extensions	LATIN SMALL LETTER UPSILON	lowered-close back rounded vowel

V	8	8	0264	IPA Extensions	LATIN SMALL LETTER RAMS HORN	close-mid back unrounded vowel
o	0	o	006F	Basic Latin	LATIN SMALL LETTER O	close-mid back rounded vowel
Λ	Λ	Λ	028C	IPA Extensions	LATIN SMALL LETTER TURNED V	open-mid back unrounded vowel
э	э	Э	0254	IPA Extensions	LATIN SMALL LETTER OPEN O	open-mid back rounded vowel
a	a	α	0251	IPA Extensions	LATIN SMALL LETTER ALPHA	open back unrounded vowel
D	α	p	0252	IPA Extensions	LATIN SMALL LETTER TURNED ALPHA	open back rounded vowel

Diacritics

Doul	Gent	Char	hex	where	name	IPA definition	note
n d	ņф	'n d	0325	Combining diacr. marks	COMBINING RING BELOW	voiceless (under)	
°ŋ	'n	'n	030A	Combining diacr. marks	COMBINING RING ABOVE	voiceless (over)	
,s,t	,s,t	,s,t	032C	Combining diacr. marks	COMBINING CARON BELOW	voiced	
h	h	h	02B0	Spacing modifier letters	MODIFIER LETTER SMALL H	aspirated	
, ο	,o	, o	0339	Combining diacr. marks	COMBINING LEFT HALF RING BELOW	more rounded	
c,	(ع	,	031C	Combining diacr. marks		less rounded	
₊u	μ	μ	031F	Combining diacr. marks	COMBINING PLUS SIGN BELOW	advanced	
0	<u></u> 0	_O	0320	Combining diacr. marks	COMBINING MINUS SIGN BELOW	retracted	
ë	ë	ë	0308	Combining diacr. marks	COMBINING DIAERESIS	centralized	
*e	*e	*e	033D	Combining diacr. marks	COMBINING X ABOVE	mid-centralized	
m n l	m n l	m n l	0329	Combining diacr. marks	COMBINING VERTICAL LINE BELOW	syllabic	
e	è	è	032F	Combining diacr. marks		non-syllabic	
ı	1	ı	02DE	Spacing modifier letters	MODIFIER LETTER RHOTIC HOOK	rhoticity	
. <u>.</u> 0	.0	.o	0324	Combining diacr. marks	COMBINING DIAERESIS BELOW	breathy voiced	

o	o	°O	0330	Combining diacr. marks	COMBINING TILDE BELOW	creaky voiced	
t_{d}	<u>_t</u> _d	$_{r}^{r}t_{r}^{r}d$	032B	Combining diacr. marks	COMBINING SEAGULL BELOW	linguolabial	
w	w	W	02B7	Spacing modifier letters	MODIFIER LETTER SMALL W	labialized	
j	j	j	02B2	Spacing modifier letters	MODIFIER LETTER SMALL J	palatalized	
Y	γ	Y	02E0	Spacing modifier letters	MODIFIER LETTER SMALL GAMMA	velarized	
ς	?	?	02E4	Spacing modifier letters	MODIFIER LETTER REVERSED GLOTTAL STOP	pharyngealized	
ŀn	~l•n	~l·n	0334	Combining diacr. marks	low tilde	velarized or pharyngealized	
e_ı	<u>e</u> .a	ŗ.a.	031D	Combining diacr. marks	COMBINING UP TACK BELOW	raised	
ęβ	ęβ	e β	031E	Combining diacr. marks	COMBINING DOWN TACK BELOW	lowered	
,e	e	e	0318	Combining diacr. marks	COMBINING LEFT TACK BELOW	advanced tongue root	
,e	ŗе	<u>,</u> e	0319	Combining diacr. marks	COMBINING RIGHT TACK BELOW	retracted tongue root	
$t_{a}d$	td	_t <u>.</u> d	032A	Combining diacr. marks	COMBINING BRIDGE BELOW	dental	
t.d	<u>_t</u> _d	ֶt ֻd	033A	Combining diacr. marks	COMBINING INVERTED BRIDGE BELOW	apical	
¸t ¸d	_t d	t d	033B	Combining diacr. marks	COMBINING SQUARE BELOW	laminal	
ẽ	ẽ	ẽ	0303	Combining diacr. marks	COMBINING TILDE	nasalized	
n	n	n	N/A	N/A	use superscript LATIN	nasal release	
1	1	1	02E1	Spacing modifier letters	MODIFIER LETTER SMALL L	lateral release	
t	t¯	t	031A	Combining diacr. marks	COMBINING LEFT ANGLE ABOVE	no audible release	02FA might look bette

Suprasegmentals

Dou	l Gent	Char	hex	where	name	IPA definition
ı	ı	I	02C8	Spacing modifier letters	MODIFIER LETTER VERTICAL LINE	primary stress
ı	ı	1	02CC	Spacing modifier letters	MODIFIER LETTER LOW VERTICAL LINE	secondary stress
	Ĭ	ĭ	02D0	Spacing modifier letters	MODIFIER LETTER TRIANGULAR COLON	long

•	•	•	02D1	Spacing modifier letters	MODIFIER LETTER HALF TRIANGULAR COLON	half-long
ŏ	ŏ	ŏ	0306	Combining diacr. marks	COMBINING BREVE	extra-short
			007C	Basic Latin	VERTICAL LINE	minor (foot) group
	П	\parallel	same	Basic Latin	VERTICAL LINE+VERTICAL LINE	major (intonational) group
		•	002E	Basic Latin	FULL STOP	syllable break
N/	A N/A	N/A	N/A	N/A	N/A	linking (absence of a break)

Tones and Word Accents

Doul	Gent	Char	hex	where	name	IPA definition
ő	ő	ő	030B	Combining diacr. marks	COMBINING DOUBLE ACUTE ACCENT	extra-high tone (accent mark)
1	7	7	02E5	Spacing modifier letters	MODIFIER LETTER EXTRA-HIGH TONE BAR	extra-high tone (Chao letter)
ó	ó	ó	0301	Combining diacr. marks	COMBINING ACUTE ACCENT	high level tone (accent mark)
1	1	1	02E6	Spacing modifier letters	MODIFIER LETTER HIGH TONE BAR	high leveltone (Chao letter)
ō	ō	ō	0304	Combining diacr. marks	COMBINING MACRON	mid level tone (accent mark)
4	4	4	02E7	Spacing modifier letters	MODIFIER LETTER MID TONE BAR	mid level tone (Chao letter)
ò	ò	ò	0300	Combining diacr. marks	COMBINING GRAVE ACCENT	low level tone (accent mark)
1	1	4	02E8	Spacing modifier letters	MODIFIER LETTER LOW TONE BAR	lowlevel tone (Chao letter)
ő	ő	ő	030F	Combining diacr. marks	COMBINING DOUBLE GRAVE ACCENT	extra-low level tone (accent mark)
]]	J	02E9	Spacing modifier letters	MODIFIER LETTER EXTRA-LOW TONE BAR	extra-low level tone (Chao letter)
ŏ	ŏ	ŏ	030C	Combining diacr. marks	COMBINING CARON	rising contour tone (accent mark)
N/A	N/A	N/A	N/A	N/A	N/A	rising contour tone (Chao letter)
ô	ô	ô	0302	Combining diacr. marks	COMBINING CIRCUMFLEX ACCENT	falling contour tone (accent mark)
N/A	N/A	N/A	N/A	N/A	N/A	falling contour tone (Chao letter)
ŏ	ő	ŏ	1DC4	Combining diacr. marks	COMBINING MACRON-ACUTE	high rising contour tone (accent mark)
N/A	N/A	N/A	N/A	N/A	N/A	high rising contour tone (Chao letter)

ŏ	ŏ	ŏ	1DC5	Combining diacr. marks	COMBINING GRAVE-MACRON	low rising contour tone (accent mark)
N/A	N/A	N/A	N/A	N/A	N/A	low rising contour tone (Chao letter)
õ	ő	õ	1DC8	Combining diacr. marks	COMBINING GRAVE-ACUTE-GRAVE	rising-falling contour tone (accent mark)
N/A	N/A	N/A	N/A	N/A	N/A	rising-falling contour tone (Chao letter)
1	1	1	A71C	Modifier tone letters	MODIFIER LETTER RAISED DOWN ARROW	downstep
†	1	Ť	A71B	Modifier tone letters	MODIFIER LETTER RAISED UP ARROW	upstep
1	1	1	2197	Arrows	NORTH EAST ARROW	global rise
1	1	7	2198	Arrows	SOUTH EAST ARROW	global fall

In Unicode but not on the IPA chart

Doul	Gent	Char	hex	where	name	IPA definition
3	ð.	3 r	025A	IPA Extensions	LATIN SMALL LETTER SCHWA W/ HOOK	compiled rhotacized schwa
3 °	3 ^r	3 °	025D	IPA Extensions	LATIN SMALL LETTER REVERSED OPEN E W/ HOOK	compiled rhotacized open-mid central vowel
dz	ďz	ďz	02A3	IPA Extensions	LATIN SMALL LETTER DZ DIGRAPH	compiled vd alveolar affricate
ф	dз	ф	02A4	IPA Extensions	LATIN SMALL LETTER DEZH DIGRAPH	compiled vd postalveolar affricate
d_{z}	dz	ďz	02A5	IPA Extensions	LATIN SMALL LETTER DZ DIGRAPH W/ CURL	compiled vd alveolo-palatal affricate
ts	ts	ts	02A6	IPA Extensions	LATIN SMALL LETTER TS DIGRAPH	compiled vI alveolar affricate
tſ	ţſ	tʃ	02A7	IPA Extensions	LATIN SMALL LETTER TESH DIGRAPH	compiled vI postalveolar affricate
tç	tc	tç	02A8	IPA Extensions	LATIN SMALL LETTER TC DIGRAPH W/ CURL	compiled vl alveolo-palatal affricate
ł	ł	ł	026B	IPA Extensions	LATIN SMALL LETTER L W/ MIDDLE TILDE	velarized alveolar lateral approximant
ĥ	ĥ	ĥ	02B1	Spacing modifier letters	MODIFIER LETTER SMALL H W/ HOOK	diacritic vd glottal fricative
r	r	r	02B3	Spacing modifier letters	MODIFIER LETTER SMALL R	diacritic alveolar trill
1	a.	1	02B4	Spacing modifier letters	MODIFIER LETTER SMALL TURNED R	diacritic alveolar approximant
ſ	ł	ſ	02B5	Spacing modifier letters	MODIFIER LETTER SMALL TURNED R W/ HOOK	diacritic retroflex approximant

R	R	R	02B6	Spacing modifier letters	MODIFIER LETTER SMALL CAPITAL INVERTED R	diacritic uvular approximant
?	?	?	02C0	Spacing modifier letters	MODIFIER LETTER GLOTTAL STOP	diacritic glottal stop
Q	Q	Q	0322	Combining diacr. marks	COMBINING RETROFLEX HOOK BELOW	diacritic retroflexion
õ	õ	ô	1DC6	Combining diacr. marks	COMBINING MACRON-GRAVE	mid-low falling contour tone (accent mark)
õ	δ	ó	1DC7	Combining diacr. marks	COMBINING ACUTE-MACRON	high-mid falling contour tone (accent mark)
õ	ő	õ	1DC9	Combining diacr. marks	COMBINING ACUTE-GRAVE-ACUTE	falling-rising contour tone (accent mark)