

# THE INTERNATIONAL PHONETIC ALPHABET (revised to 2016)

CONSONANTS (PULMONIC)

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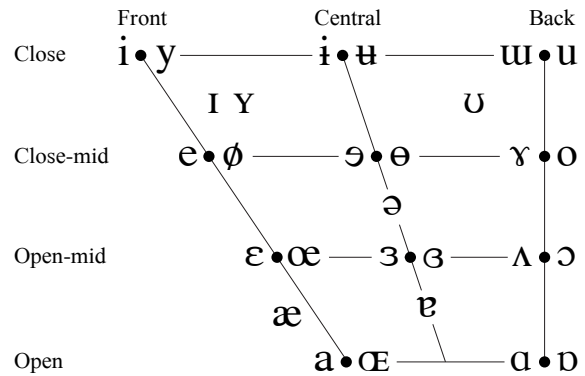
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	<b>p b</b>			<b>t d</b>		<b>ʈ ɖ</b>	<b>c ɟ</b>	<b>k g</b>	<b>q ɢ</b>		<b>ʔ</b>
Nasal	<b>m</b>	<b>ɱ</b>		<b>n</b>		<b>ɳ</b>	<b>ɲ</b>	<b>ŋ</b>	<b>ɴ</b>		
Trill	<b>ʙ</b>			<b>r</b>					<b>ʀ</b>		
Tap or Flap		<b>ⱱ</b>		<b>ɾ</b>		<b>ɽ</b>					
Fricative	<b>ɸ β</b>	<b>f v</b>	<b>θ ð</b>	<b>s z</b>	<b>ʃ ʒ</b>	<b>ʂ ʐ</b>	<b>ç ʝ</b>	<b>x ɣ</b>	<b>χ ʁ</b>	<b>ħ ʕ</b>	<b>h ɦ</b>
Lateral fricative				<b>ɬ ɮ</b>							
Approximant		<b>ʋ</b>		<b>ɹ</b>		<b>ɻ</b>	<b>j</b>	<b>ɰ</b>			
Lateral approximant				<b>l</b>		<b>ɭ</b>	<b>ʎ</b>	<b>ʟ</b>			

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
<b>ɸ</b> Bilabial	<b>ɓ</b> Bilabial	Examples:
<b>ǀ</b> Dental	<b>ɗ</b> Dental/alveolar	<b>p'</b> Bilabial
<b>ǃ</b> (Post)alveolar	<b>ɟ</b> Palatal	<b>t'</b> Dental/alveolar
<b>ǂ</b> Palatoalveolar	<b>ɡ</b> Velar	<b>k'</b> Velar
<b>ǁ</b> Alveolar lateral	<b>ɠ</b> Uvular	<b>s'</b> Alveolar fricative

VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

OTHER SYMBOLS

- ɱ** Voiceless labial-velar fricative
- ɮ** Voiced labial-velar approximant
- ɰ** Voiced labial-palatal approximant
- ħ** Voiceless epiglottal fricative
- ʕ** Voiced epiglottal fricative
- ʔ** Epiglottal plosive
- ɕ ʑ** Alveolo-palatal fricatives
- ɻ** Voiced alveolar lateral flap
- ɥ** Simultaneous **ɥ** and **X**
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̺ kp̺

SUPRASEGMENTALS

- ˈ** Primary stress
- ˌ** Secondary stress
- ː** Long
- ˑ** Half-long
- ˑ̇** Extra-short
- ̥** Minor (foot) group
- ̨** Major (intonation) group
- Syllable break
- ̤** Linking (absence of a break)

ˈfounəˈtʃən

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. **ɲ̥̊**

<b>◌̥</b> Voiceless	<b>◌̊</b> Breathy voiced	<b>◌̥̊</b> Dental
<b>◌̇</b> Voiced	<b>◌̣</b> Creaky voiced	<b>◌̣̥</b> Apical
<b>◌̚</b> Aspirated	<b>◌̜</b> Linguolabial	<b>◌̜̥</b> Laminal
<b>◌̙</b> More rounded	<b>◌̙̜</b> Labialized	<b>◌̙̜̥</b> Nasalized
<b>◌̘</b> Less rounded	<b>◌̘̜</b> Palatalized	<b>◌̘̜̥</b> Nasal release
<b>◌̘̣</b> Advanced	<b>◌̘̣̜</b> Velarized	<b>◌̘̣̜̥</b> Lateral release
<b>◌̘̣̥</b> Retracted	<b>◌̘̣̥̜</b> Pharyngealized	<b>◌̘̣̥̜̥</b> No audible release
<b>◌̘̣̥̊</b> Centralized	<b>◌̘̣̥̜̥̊</b> Velarized or pharyngealized	<b>◌̘̣̥̜̥̊</b>
<b>◌̘̣̥̥̊</b> Mid-centralized	<b>◌̘̣̥̥̜̊</b> Raised	<b>◌̘̣̥̥̜̊</b> ( <b>ɹ̘̣̥̥̜̊</b> = voiced alveolar fricative)
<b>◌̘̣̥̥̜̊</b> Syllabic	<b>◌̘̣̥̥̜̥̊</b> Lowered	<b>◌̘̣̥̥̜̥̊</b> ( <b>β̘̣̥̥̜̥̊</b> = voiced bilabial approximant)
<b>◌̘̣̥̥̜̥̊</b> Non-syllabic	<b>◌̘̣̥̥̜̥̊̚</b> Advanced Tongue Root	<b>◌̘̣̥̥̜̥̊̚</b>
<b>◌̘̣̥̥̜̥̊̚̚</b> Rhoticity	<b>◌̘̣̥̥̜̥̊̚̚̚</b> Retracted Tongue Root	<b>◌̘̣̥̥̜̥̊̚̚̚̚</b>

TONES AND WORD ACCENTS

- ˥** or **˨** Extra high
- ˦** High
- ˧** Mid
- ˩** Low
- ˩̥** Extra low
- ˩̥̥** Downstep
- ˩̥̥̥** Upstep
- ˥̆** or **˨̆** Rising
- ˥̇** Falling
- ˥̈́** High rising
- ˥̄** Low rising
- ˥̌** Rising-falling
- ↗** Global rise
- ↘** Global fall