

# THE INTERNATIONAL PHONETIC ALPHABET (revised to 2015)

CONSONANTS (PULMONIC)

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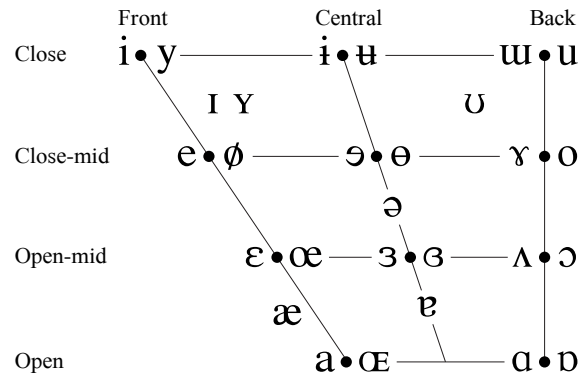
	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	<b>p b</b>			<b>t d</b>		<b>ʈ ɖ</b>	<b>c ɟ</b>	<b>k ɡ</b>	<b>q ɢ</b>		<b>ʔ</b>
Nasal	<b>m</b>	<b>ɱ</b>		<b>n</b>		<b>ɳ</b>	<b>ɲ</b>	<b>ŋ</b>	<b>ɴ</b>		
Trill	<b>ʙ</b>			<b>r</b>					<b>ʀ</b>		
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
⦿ Bilabial	ɓ Bilabial	ʼ Examples:
ǀ Dental	ɗ Dental/alveolar	ɓ' Bilabial
ǃ (Post)alveolar	ɟ Palatal	ɗ' Dental/alveolar
ǃ̄ Palatoalveolar	ɡ Velar	ɟ' Velar
ǁ Alveolar lateral	ɠ Uvular	ɟ' Alveolar fricative

VOWELS



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

OTHER SYMBOLS

- ʍ Voiceless labial-velar fricative      ɕ ʑ Alveolo-palatal fricatives
  - ʋ Voiced labial-velar approximant      ɺ Voiced alveolar lateral flap
  - ɥ Voiced labial-palatal approximant      ɥ Simultaneous ʃ and x
  - ħ Voiceless epiglottal fricative
  - ʕ Voiced epiglottal fricative
  - ʡ Epiglottal plosive
- Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary.

ts̺ k̠p̠

SUPRASEGMENTALS

- ˈ Primary stress      ˌfounəˈtʃən
- ˈ Secondary stress
- ː Long      eː
- ˑ Half-long      eˑ
- ˘ Extra-short      ɛ̘
- ◌| Minor (foot) group
- ◌|| Major (intonation) group
- ◌. Syllable break      .i.ækt
- ◌◌ Linking (absence of a break)

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

◌◌ Voiceless	◌◌̥ ◌◌̜	◌◌ Breathy voiced	◌◌̤ ◌◌̚	◌◌ Dental	◌◌̪ ◌◌̫
◌◌ Voiced	◌◌̩ ◌◌̬	◌◌ Creaky voiced	◌◌̰ ◌◌̱	◌◌ Apical	◌◌̽ ◌◌̾
◌◌ Aspirated	◌◌ʰ ◌◌ᵀ	◌◌ Linguolabial	◌◌̭ ◌◌̮	◌◌ Laminal	◌◌̹ ◌◌̺
◌◌ More rounded	◌◌̙	◌◌ Labialized	◌◌ʷ ◌◌ʱ	◌◌ Nasalized	◌◌̃
◌◌ Less rounded	◌◌̚	◌◌ Palatalized	◌◌ʲ ◌◌ʲ	◌◌ Nasal release	◌◌̚ⁿ
◌◌ Advanced	◌◌̟	◌◌ Velarized	◌◌ˠ ◌◌ˡ	◌◌ Lateral release	◌◌̚ˡ
◌◌ Retracted	◌◌̠	◌◌ Pharyngealized	◌◌ˤ ◌◌˥	◌◌ No audible release	◌◌̚˦
◌◌ Centralized	◌◌̥	◌◌ Velarized or pharyngealized	◌◌̤		
◌◌ Mid-centralized	◌◌̥̥	◌◌ Raised	◌◌̥̥ (ɹ̥̥ = voiced alveolar fricative)		
◌◌ Syllabic	◌◌̩	◌◌ Lowered	◌◌̥̥ (β̥̥ = voiced bilabial approximant)		
◌◌ Non-syllabic	◌◌̥	◌◌ Advanced Tongue Root	◌◌̠		
◌◌ Rhoticity	◌◌̤ ◌◌̚	◌◌ Retracted Tongue Root	◌◌̠		

TONES AND WORD ACCENTS

- | LEVEL              | CONTOUR            |
|--------------------|--------------------|
| é̥ or ˩ Extra high | ě̥ or ˩ Rising     |
| é̄ High            | ê̄ Falling         |
| ē̄ Mid             | ē̄ High rising     |
| è̄ Low             | è̄ Low rising      |
| è̥̥ Extra low      | è̥̥ Rising-falling |
| ↓ Downstep         | ↗ Global rise      |
| ↑ Upstep           | ↘ Global fall      |