

# Persian consonants, IPA

	Bilabial		Labio-dental		Dental		Alveolar		Post-alveolar		Palatal		Velar		Uvular		Glottal	
Plosive		b				[d̪]		d				[j]		g	[q]	ɢ	ʔ	
Aspirated plosive	p <sup>h</sup>					[t̪ʰ]		t <sup>h</sup>				[t̪ʰ]		k <sup>h</sup>				
Affricate									t͡ʃ	d͡ʒ								
Fricative		[β]	f	v			s	z	ʃ	ʒ			x	[χ]			h	
Nasal		m						n						[ŋ]				
Tap								r										
Trill								[r]										
Approximant								[ɹ]				j						
Lateral approximant								l										

- Where symbols appear in pairs, the one to the right represents a voiced consonant.
- Where symbols appear singly, they are placed to the left within their column if they represent a voiceless consonant; to the right if they represent voiced.
- Symbols enclosed in brackets represent non-phonemic consonants.
- Blacked-out cells indicate phones judged to be impossible.



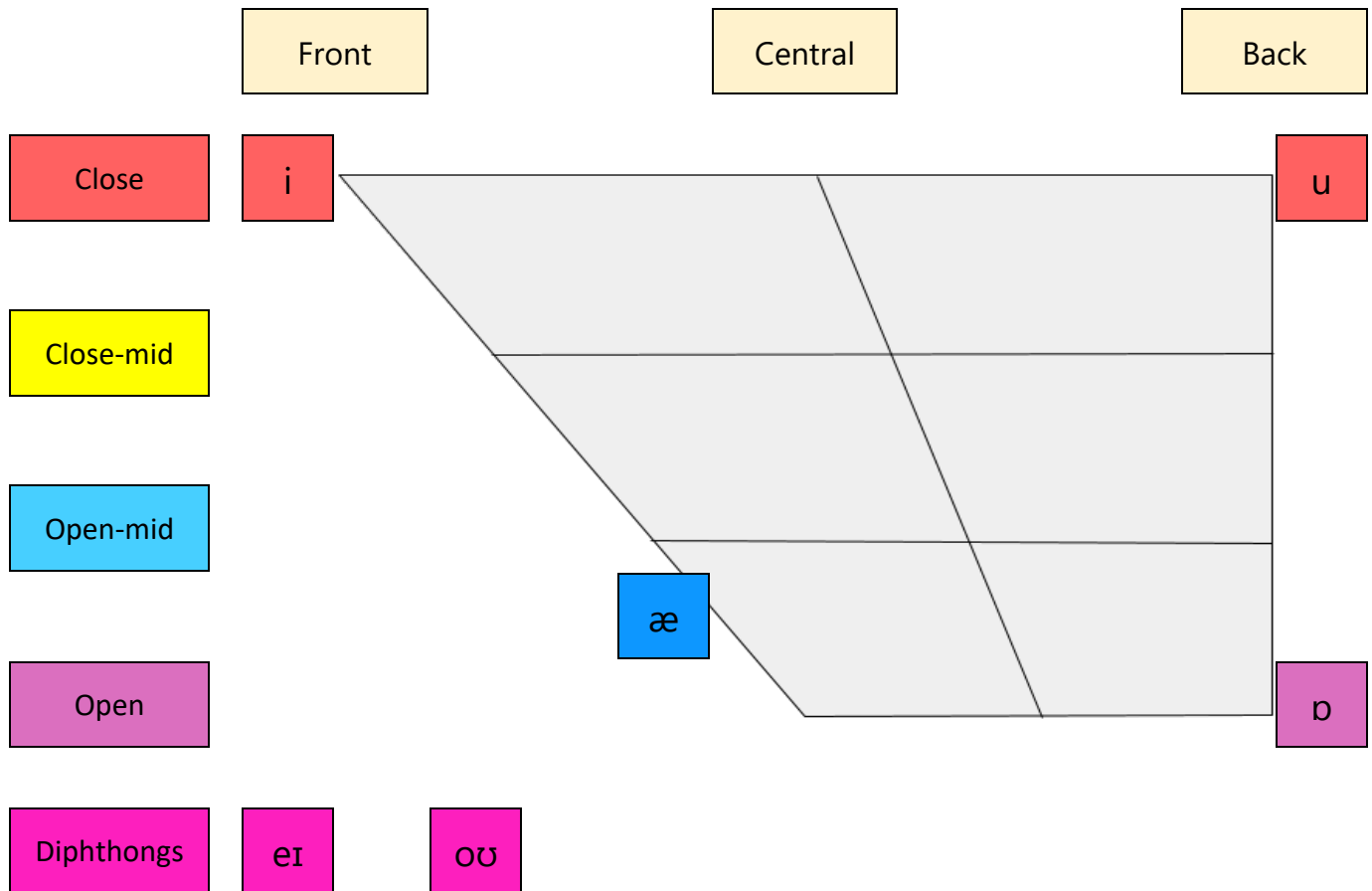
# Persian consonants, الفبای فارسی

	Bilabial		Labio-dental		Dental		Alveolar		Post-alveolar		Palatal		Velar		Uvular		Glottal	
Plosive		ب				(د)	د				(گ)	گ	(ق)	ق			ء	
Aspirated plosive	پ				(ت)		ت				(ک)	ک						
Affricate								چ	ج									
Fricative		(ب)	ف	و			ث	ظ	ش	ژ			خ	(غ)			ح	
Nasal		م					ن						(ن)					
Tap							ر											
Trill							(ر)											
Approximant							(ر)				ی							
Lateral approximant							ل											

- Symbols enclosed in parentheses represent non-phonemic consonants.



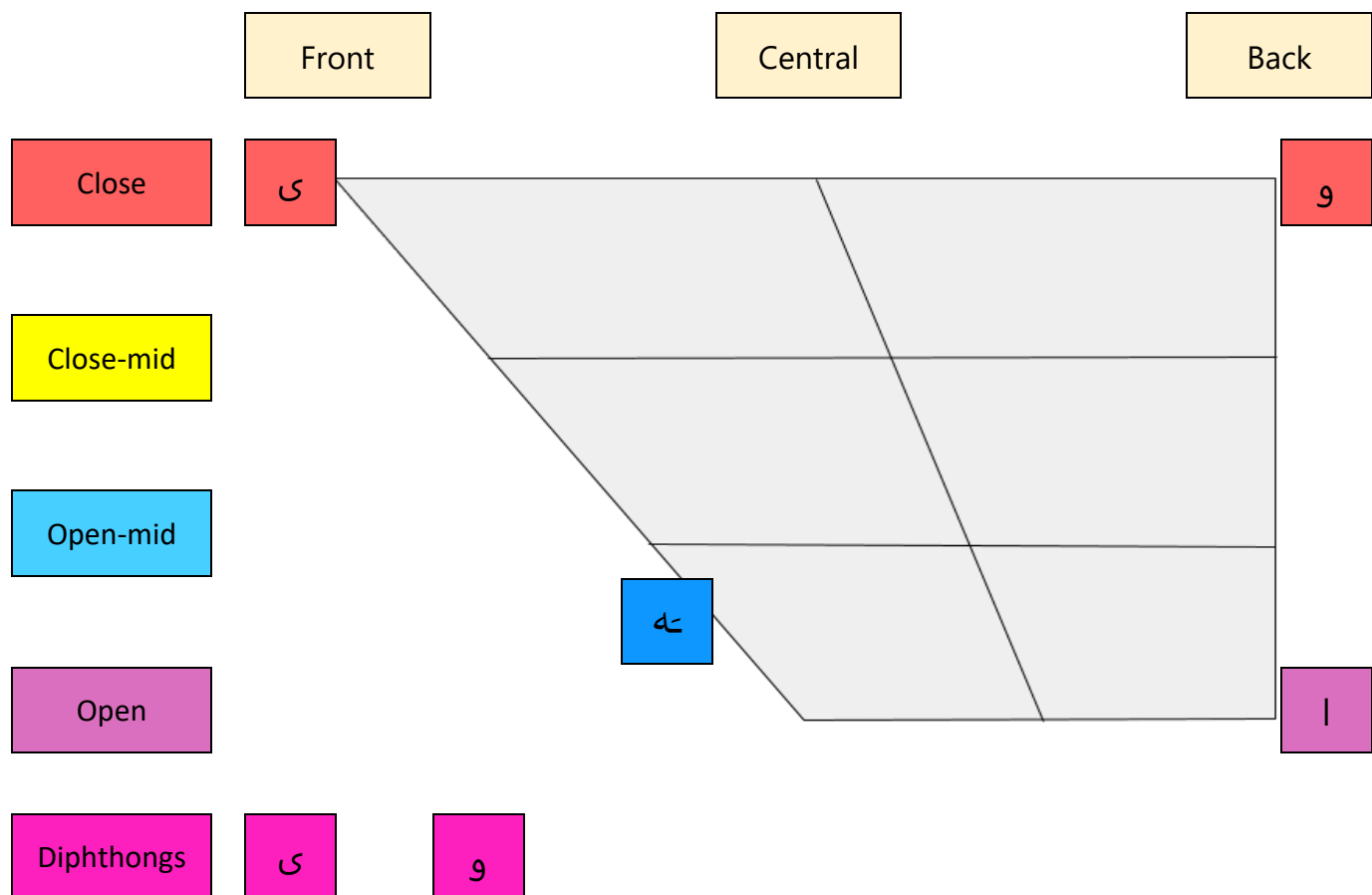
# Persian vowels, IPA



- Symbols enclosed in brackets represent non-phonemic vowels.
- All front vowels are unrounded; all back vowels, rounded.
- In Iranian Persian, the vowels /i/ and /e/ have been neutralized to [i]; and the vowels /u/ and /o/ to [u].



# Persian vowels, الفبای فارسی



- Symbols enclosed in parentheses represent non-phonemic vowels.



# References

Persian alphabet. (2025). In *Wikipedia*.

[https://en.wikipedia.org/w/index.php?title=Persian\\_alphabet&oldid=1307628521](https://en.wikipedia.org/w/index.php?title=Persian_alphabet&oldid=1307628521)

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