

## MANDARIN PHONETICS AND PINYIN

### 聲母 (Consonant):

ㄅ	ㄆ	ㄇ	ㄏ	ㄉ	ㄊ	ㄋ	ㄌ	ㄍ	ㄎ	ㄏ
<b>b</b>	<b>p</b>	<b>m</b>	<b>f</b>	<b>d</b>	<b>t</b>	<b>n</b>	<b>l</b>	<b>g</b>	<b>k</b>	<b>h</b>
	ㄐ	ㄑ	ㄒ	ㄓ	ㄔ	ㄕ	ㄖ	ㄗ	ㄘ	ㄙ
	<b>j</b>	<b>q</b>	<b>x</b>	<b>zhi</b>	<b>chi</b>	<b>shi</b>	<b>ri</b>	<b>zi</b>	<b>ci</b>	<b>si</b>
when followed by a vowel or a combination				<b>zh</b>	<b>ch</b>	<b>sh</b>	<b>r</b>	<b>z</b>	<b>c</b>	<b>s</b>

### 韻母 (Vowel):

					一	ㄨ	ㄩ					
					<b>i</b>	<b>u</b>	<b>ü</b>					
ㄚ	ㄛ	ㄜ	ㄝ	ㄞ	ㄟ	ㄠ	ㄡ	ㄢ	ㄣ	ㄤ	ㄥ	ㄦ
<b>a</b>	<b>o</b>	<b>e</b>	<b>ie</b>	<b>ai</b>	<b>ei</b>	<b>ao</b>	<b>ou</b>	<b>an</b>	<b>en</b>	<b>ang</b>	<b>eng</b>	<b>er</b>

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<b>Combination</b>										
	一	一ㄚ	一ㄛ	一ㄝ	一ㄨ	一ㄨㄛ	一ㄩ	一ㄩㄛ	一ㄨㄥ	一ㄥ
<b>with</b> Consonant in the front	i	ia	io	ie	iao	iou	ian	in	iang	ing
<b>without</b> Consonant in the front	yi	ya	yo	ye	yao	you	yan	yin	yang	ying
	ㄨ	ㄨㄚ	ㄨㄛ	ㄨㄞ	ㄨㄨ	ㄨㄨㄛ	ㄨㄩ	ㄨㄩㄛ	ㄨㄨㄥ	ㄨㄥ
<b>with</b> Consonant in the front	u	ua	uo	uai	uei	uan	uen	uang	ueng	
<b>without</b> Consonant in the front	wu	wa	wo	wai	wei	wan	wen	wang	weng	
	ㄩ	ㄩㄝ	ㄩㄢ	ㄩㄣ	ㄩㄥ					
<b>with</b> Consonant in the front	ü	üe	üan	ün	iong					
<b>without</b> Consonant in the front	yü	yüe	yüan	yün	yong					

<b>Combination</b>	
ㄣㄩ	ㄨㄩ
nü	lü