

IBM Watson™ Text to Speech
Chinese Pinyin Characters and Tones

Chinese Pinyin Characters (Part 1)

	Finals										
Initials	a	o	e	i	u	v	er	ai	ao	ou	un
-	a	o	e	-	-	-	er	ai	ao	ou	-
b	ba	bo	-	bi	bu	-	-	bai	bao	-	-
p	pa	po	-	pi	pu	-	-	pai	pao	pou	-
m	ma	mo	-	mi	mu	-	-	mai	mao	mou	-
f	fa	fo	-	-	fu	-	-	-	-	fou	-
d	da	-	de	di	du	-	-	dai	dao	dou	dun
t	ta	-	te	ti	tu	-	-	tai	tao	tou	tun
n	na	-	ne	ni	nu	nv	-	nai	nao	nou	-
l	la	-	le	li	lu	lv	-	lai	lao	lou	lun
g	ga	-	ge	-	gu	-	-	gai	gao	gou	gun
k	ka	-	ke	-	ku	-	-	kai	kao	kou	kun
h	ha	-	he	-	hu	-	-	hai	hao	hou	hun
j	-	-	-	ji	ju	-	-	-	-	-	jun
q	-	-	-	qi	qu	-	-	-	-	-	qun
x	-	-	-	xi	xu	-	-	-	-	-	xun
zh	zha	-	zhe	zhi	zhu	-	-	zhai	zhao	zhou	zhun
ch	cha	-	che	chi	chu	-	-	chai	chao	chou	chun
sh	sha	-	she	shi	shu	-	-	shai	shao	shou	shun
r	-	-	re	ri	ru	-	-	-	rao	rou	run
z	za	-	ze	zi	zu	-	-	zai	zao	zou	zun
c	ca	-	ce	ci	cu	-	-	cai	cao	cou	cun
s	sa	-	se	si	su	-	-	sai	sao	sou	sun
y	ya	yo	ye	yi	yu	-	-	-	yao	you	yun
w	wa	wo	-	-	wu	-	-	wai	-	-	-

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Chinese Pinyin Characters (Part 2)

[illegible]

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Chinese Pinyin Characters (Part 3)

	Finals										
Initials	an	ang	ong	en	eng	in	ing	ian	iang	iong	uang
-	an	ang	-	en	-	-	-	-	-	-	-
b	ban	bang	-	ben	beng	bin	bing	bian	-	-	-
p	pan	pang	-	pen	peng	pin	ping	pian	-	-	-
m	man	mang	-	men	meng	min	ming	mian	-	-	-
f	fan	fang	-	fen	feng	-	-	-	-	-	-
d	dan	dang	dong	-	deng	-	ding	dian	-	-	-
t	tan	tang	tong	-	teng	-	ting	tian	-	-	-
n	nan	nang	nong	nen	neng	nin	ning	nian	niang	-	-
l	lan	lang	long	-	leng	lin	ling	lian	liang	-	-
g	gan	gang	gong	gen	geng	-	-	-	-	-	guang
k	kan	kang	kong	ken	keng	-	-	-	-	-	kuang
h	han	hang	hong	hen	heng	-	-	-	-	-	huang
j	-	-	-	-	-	jin	jing	jian	jiang	jiong	-
q	-	-	-	-	-	qin	qing	qian	qiang	qiong	-
x	-	-	-	-	-	xin	xing	xian	xiang	xiong	-
zh	zhan	zhang	zhong	zhen	zheng	-	-	-	-	-	zhuang
ch	chan	chang	chong	chen	cheng	-	-	-	-	-	chuang
sh	shan	shang	-	shen	sheng	-	-	-	-	-	shuang
r	ran	rang	rong	ren	reng	-	-	-	-	-	-
z	zan	zang	zong	zen	zeng	-	-	-	-	-	-
c	can	cang	cong	cen	ceng	-	-	-	-	-	-
s	san	sang	song	sen	seng	-	-	-	-	-	-
y	yan	yang	yong	-	-	yin	ying	-	-	-	-
w	wan	wang	-	wen	weng	-	-	-	-	-	-

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Chinese Pinyin Tones

IPA symbol	IPA Unicode	Definition
˥	02E5+02E5	Tone 1
˧	02E7+02E5	Tone 2
˨˩˦	02E8+02E9+02E6	Tone 3
˥˩	02E5+02E9	Tone 4
˧˥	02E7+02E7	Neutral tone