From PEK to JFK

b1f6c1c4

untPhesoca

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1 Introduction

Target audience

- Mandarin speakers with Beijing accent who want to learn English with New York City accent, or English pronunciation in general. Note that one do not need to be proficient in Beijing dialect to use this guide. Also note that this guide is not complete.
- Anyone willing to locate the exact pronunciation of a word in New York City English (NYCE).
- Anyone willing to locate the exact pronunciation of a character in Beijing Mandarin.

How to learn NYCE pronunciation Learn IPA first. Then read *Teaching Pronunciation*, A Course Book and Reference Guide by Marianne Celce-Murcia, et. al. After that, find some words, find their pronunciation using this guide, and practice.

How to find the pronunciation of a word in NYCE

- 1. Get an authoritative pronunciation dictionary, like Longman Pronunciation Dictionary, with General American English annotation (usually abbreviated as GenAm or AmE.)
- 2. Lookup the word in the dictionary.
- 3. Split the reference pronunciation into phonemes.
- 4. Lookup each phoneme in section JFK.
- 5. Reassemble IPAs back to get the exact phonetics of a word in NYCE.
- 6. Go through the rest subsections, if any, of JFK to get the exact pronunciation.

2 Definition

2.1 Semivowels & Vowels

	Front		Central		Back
Semivowels	ј ų ц ^w	<u>j</u>	j ÿ ÿ ^w		щ w ^β w
Close	i y y ^w	<u>i</u> y y ^w	іÿн		ш u ^β u
Near-close	į y y ^w	I Y Y ^W	ΪΫΰ	$\check{\mathrm{m}}\ \mathrm{v}^{\mathrm{\beta}}\ \mathrm{v}$	щ џ ^β џ
Close-mid	e ø ø ^w	e ø ø w	ө ө ө ө	γ οβ ο	γοβο
Mid	ę ø ø w	ě Š Š Š W ě č če Š	ә ҿ҈ ҿ	$\overset{\circ}{\mathring{\chi}}\overset{\circ}{\mathring{o}}^{\beta}\overset{\circ}{\mathring{o}}$ $\overset{\circ}{\mathring{\Lambda}}\overset{\circ}{\mathring{o}}^{\beta}\overset{\circ}{\mathring{o}}$	$\dot{\chi}$ $\dot{\phi}^{\beta}$ $\dot{\phi}$
Open-mid	$\epsilon \propto \infty^{w}$	$\underline{\epsilon} \underline{\phi} \underline{\phi}^{w}$	3 3 ^β 3	\dot{v} $\dot{5}_{b}$ $\dot{5}$	л эβ э
Near-open	æœ	ă č	6 និ	άĎ	γŞ
Open	ас	<u>a</u> Œ	äë	φp	σρ

4 JFK

4.1 Consonants

Remarks

• All:

– Before /ʧdʃʒɪw/: Add $^{\rm w}$

- /ptk/:
 - After $/s/ \wedge$ Onset: p t k spin, step, skip
 - Before /fv θ ðsz \int_3 /: p t k caps, sets, axe
 - Before /pbtdkgtfʤ/: p¬t¬k apt, costco, ack
 - Onset with strong vowel: $p^h t^h k^h$ pet, tee, kit
 - Otherwise: In the middle tap, bit, ask
- Merging into affricates:
 - $-\ /t/\ +\ / \text{//} \rightarrow \widehat{t\text{f}}^w {\sim} \widehat{t\text{f}}^{hw}$
 - $-\ /\mathrm{d}/\ +\ /\mathfrak{z}/\rightarrow \widehat{\mathrm{d}}\mathfrak{z}^w$
 - $-\ /t/\ +\ /s/ \rightarrow \widehat{ts}{\sim}\widehat{ts}^h$
 - $-\ /d/\ +\ /z/\rightarrow \widehat{dz}$
 - $-\ /t/\ +\ /\text{i}/\ \rightarrow \underline{\hat{t}}\underline{\mathring{\underline{\textbf{i}}}}^{w}_{\underline{\textbf{i}}}\!\!\sim\!\!\underline{\hat{t}}\underline{\mathring{\underline{\textbf{i}}}}^{hw}_{\underline{\textbf{i}}}$
 - $-\ /\mathrm{d}/\ +\ /\mathrm{i}/\ \to \widehat{\underline{\mathrm{d}}}\underline{\hat{\underline{\mathrm{i}}}}^{\mathrm{w}}$

	IPA	Example	Remark		
	m	me, aim	100110111		
$/\mathrm{m}/$	m	(TODO)	Solo in syllable		
	m m	custom, random	After /td/		
	n	need	111001 / 001/		
	ņ ,	sudden	Solo in syllable \wedge End of word		
$/\mathrm{n}/$	· ·	suddenly	Solo in syllable		
	$egin{array}{c} \dot{\mathbf{n}} \ \dot{\mathbf{n}} \end{array}$	can	End of word		
		singer	Life of word		
$/\mathfrak{y}/$	ŋ ŋ ̈	sing	End of word		
/n/	$p \sim p^h$	(See remarks)	(See remarks)		
/p/	p~p b	,	(See Telliarks)		
/b/	d b	bee, cab	Defens /pht.dleatfd./		
		object	Before /pbtdkgtfds/		
	t∼t ^h	(See remarks)	(See remarks)		
	$\underline{t}^w{\sim}\underline{t}^{hw}$	string, tree	Before /ɪ/		
$/\mathrm{t}/$	ſ	letter	After a vowel ∧ Before unstressed vowel		
, ,	Ø	accent	After $/n/ \wedge$ Before unstressed vowel		
	?t ⁿ	actor	Coda ∧ Before /n/		
	?t¹	actor	$Coda \wedge Before /l/$		
	?t ^h	actor	$Coda \wedge Before an consonant$		
	?t ^h ∼?	what, (+ the fuck)	End of word		
	d	dip, sad			
	d٦	goodgame	Before /pbtdkgtfdz/		
$/\mathrm{d}/$	$\underline{\mathbf{d}}^{\mathbf{w}}$	drill	Before /1/		
	ſ	ladder	After a vowel \land Before unstressed vowel		
	Ø	vendor (TODO)	After $/n/ \wedge$ Before unstressed vowel		
	$2d^n$	actor	$Coda \wedge Before /n/$		
	$\mathrm{7d^{l}}$	actor	$Coda \wedge Before /l/$		
/k/	l 1. 1.h	(See remarks)	(See remarks)		
/ K/	k∼k ^h	,	(See Temarks)		
	g	good, bag	,		
/g/	g g	good, bag flagged	Before /pbtdkgtft/		
/g/ 	g g f	good, bag flagged feel, half	,		
/g/ 	g g f v	good, bag flagged feel, half vigor, have	,		
/g/ /f/ /v/ /θ/	g g g d f v θ	good, bag flagged feel, half vigor, have theme, bath	,		
/g/ /f/ /v/ /θ/ /ð/	9 g g d d d d d d d d d d d d d d d d d d	good, bag flagged feel, half vigor, have theme, bath them, with	,		
/g/ /f/ /v/ /θ/ /ð/ /s/	g g g d f v θ	good, bag flagged feel, half vigor, have theme, bath them, with some, has	,		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/	9 g g f v θ ð s	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads	,		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /ʃ/	9 9 7 6 0 8 8 2 ∫ ^w	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash	,		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/	9 9 7 1 9 8 8 8 2 5 ^w 3 ^w	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage	,		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /J/ /3/	9 9 7 1 1 2 1 3 4 3 4 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who	Before /pbtdkgtfts/		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /ʃ/	9 9 7 7 8 8 8 2 5 7 W 3 H Ø	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage	Before /pbtdkgtfts/ Before /w/		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /J/ /3/	9 9 7 1 1 2 1 3 4 3 4 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human	Before /pbtdkgtfts/ Before /w/ Before /j/		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /J/ /3/	9 9 7 6 8 8 2 5 ^w 3 ^w h Ø Ø	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /J/ /3/	9 9 7 7 8 8 8 2 5 7 W 3 H Ø	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human	Before /pbtdkgtfts/ Before /w/ Before /j/		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /J/ /h/	9 9 7 1 1 1 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix		
/g/ /f/ /v/ /θ/ /ð/ /s/ /z/ /J/ /3/	9 9 7 1 1 1 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /J/ /h/	9 9 7 1 1 1 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /J/ /h/	9 9 7 1 1 1 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /J/ /h/	9 9 7 1 1 1 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /s/ /s/ /1/	9 9 1 v θ δ s z ∫ ^w h ∅ l l l l l l l l l l l l l	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /J/ /h/	9 9 1 v θ δ s z ∫ ^w h ∅ l l l l l l l l l l l l l	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model real bother	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable Solo in syllable		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /s/ /s/ /1/	9 9 1 v θ δ s z ∫ ^w h ∅ l l l l l l l l l l l l l	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model real bother trump	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable Solo in syllable After /t/		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /s/ /s/ /1/	9 9 9 f v θ δ s z J w J w J w J w J w J w J w J w J w J	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model real bother trump drum	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable Solo in syllable		
/g/ /f/ /v/ /θ/ /δ/ /s/ /s/ /s/ /s/ /1/ /1/	9 9 9 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model real bother trump drum you	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable Solo in syllable After /t/ After /d/		
/g/ /f/ /v/ /θ/ /δ/ /s/ /z/ /s/ /s/ /1/	9 9 9 f v θ δ s z J w J w J w J w J w J w J w J w J w J	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model real bother trump drum you huge	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable Solo in syllable After /t/		
/g/ /f/ /v/ /θ/ /δ/ /s/ /s/ /s/ /s/ /1/ /1/	9 9 9 1	good, bag flagged feel, half vigor, have theme, bath them, with some, has zoo, ads shoe, bash genre, massage who what human timely like blink fill bulk model real bother trump drum you	Before /pbtdkgtfts/ Before /w/ Before /j/ In the -ly suffix Solo onset Onset Solo coda Coda Solo in syllable Solo in syllable After /t/ After /d/		

4.2 Vowels

/æ/ raising rules

- 1. Two Exceptions: Tense: can't, avenue
- 2. Function word with simple coda: Lax can v., had
- 3. Loanwords, names, abbreviations: Lax café, Canada, piano
- 4. (Trim the word to its stem) madder \rightarrow mad
- 5. End of syllable: Lax matter
- 6. Before a consonant and then a vowel: Lax manager, hammer
- 7. Before /mn/: Tense can n., plan, planning, ham
- 8. Before /ŋ/: Tense hang, thank
- 9. Before /bdʤgfθs∫/: Tense cab, mad, bag, craft, path, mass, flash
- Before /pttʃkvðzʒl/: Lax apple, pat, patch, act, avid, plazma, cashmere, rally

 $p^{hw} \underline{\mathring{\mathbf{1}}}^{w} \widetilde{\ddot{\mathbf{n}}} stən \ j \tilde{u} nəv 3$ ısəti:

	Property	IPA	Example	Remark
/æ/	tense	eş	bath	/ / :-:
	lax	æ	trap	/æ/ raising
/aɪ/	tense	άĭ	price	
/aʊ/ tense		aŭ	mouth	
$/\alpha/$	tense	ar	palm, lot	
	rhotic	ρěσ	start	
$\frac{/\Lambda/}{/e_{\rm I}/}$	A/ lax		strut	
/eɪ/	tense	еĭ	face	
/e/	rhotic	ē9√	square	
	lax	ε	dress	
/3~/	rhotic	3∿1	nurse	
/e/	rhotic, weak	მ∿	letter	
	lax, weak	Э	comma	
/i/	tense	iː	fleece	
	tense, weak	/iː/	happy	
	rhotic	i _ĕ	near	
/_ /	lax	ï	kit	
/I/	lax, weak	е	roses	
/oʊ/	tense	ōй	goat	
/11/	tense	ΟΙ	choice	
/c/	tense	эĕ	thought	
	rhotic	òŠ∽	north, force	
	lax	эĕ	cloth	
/u/	tense	υŭ	goose	
	tense, weak	υŭ	into	
	rhotic	ΩŠ~	cure	After /j/
	1110010	Ω̈́	tour	otherwise
/ʊ/	lax	ΰ	foot	
	lax, weak	θ	omission	