

| American English Phoneme Table |  |   | <a href="#">Source 1</a> | <a href="#">Source 2</a> |
|--------------------------------|--|---|--------------------------|--------------------------|
| Symbol                         | Examples                               | IPA Description   | Type                     | PhoneID                  |
| -                              | syllable boundary (hyphen)             |   |                          | 1                        |
| !                              | Sentence terminator (exclamation mark) |   |                          | 2                        |
| &                              | word boundary                          |   |                          | 3                        |
| ,                              | Sentence terminator (comma)            |   |                          | 4                        |
| .                              | Sentence terminator (period)           |   |                          | 5                        |
| ?                              | Sentence terminator (question mark)    |   |                          | 6                        |
| _                              | Silence (underscore)                   |   |                          | 7                        |
| 1                              | Primary stress                         |   |                          | 8                        |
| 2                              | Secondary stress                       |   |                          | 9                        |
| aa                             | father, ah, car                        | back open unrounded                                       | Vowel                    | 10                       |
| ae                             | at, carry, gas, sat                    | front open unrounded (tense)                              | Vowel                    | 11                       |
| ah                             | cut, bud, up                           | open-mid back unrounded                                   | Vowel                    | 12                       |
| ao                             | dog, lawn, caught                      | open-mid back round                                       | Vowel                    | 13                       |
| aw                             | foul, how, our                         | diphthong with quality: aa + uh                           | Vowel                    | 14                       |
| ax                             | ago, comply                            | central close mid (schwa)                                 | Vowel                    | 15                       |
| ay                             | bite, tie, ice                         | diphthong with quality: aa + ih                           | Vowel                    | 16                       |
| b                              | big, able, tab                         | voiced bilabial plosive                                   | Consonant                | 17                       |
| ch                             | chin, archer, march                    | voiceless alveolar affricate: t + sh                      | Consonant                | 18                       |
| d                              | dig, idea, wad                         | voiced alveolar plosive                                   | Consonant                | 19                       |
| dh                             | then, father, scythe                   | voiced dental fricative                                   | Consonant                | 20                       |
| eh                             | pet, berry, ten                        | front open-mid unrounded                                  | Vowel                    | 21                       |
| er                             | fur, turn, meter                       | central open-mid unrounded rhotis                         | Vowel                    | 22                       |
| ey                             | ate, day, tape                         | front close-mid unrounded (tense)                         | Vowel                    | 23                       |
| f                              | fork, after, if                        | voiceless labiodental fricative                           | Consonant                | 24                       |
| g                              | gut, angle, tag                        | voiced velar plosive                                      | Consonant                | 25                       |
| h, hh                          | help, ahead, hotel                     | voiceless glottal fricative                               | Consonant                | 26                       |
| ih                             | fill, hit, lid                         | front close unrounded (lax)                               | Vowel                    | 27                       |
| iy                             | feel, eve, me                          | front close unrounded                                     | Vowel                    | 28                       |
| jh                             | joy, agile, edge                       | voiced alveolar affricate: d + zh                         | Consonant                | 29                       |
| k                              | cut, oaken, take                       | voiceless velar plosive                                   | Consonant                | 30                       |
| l                              | lid, (elbow, sail)                     | alveolar lateral approximant, (velar lateral approximant) | Consonant                | 31                       |
| m                              | mat, amid, aim                         | bilabial nasal  | Consonant                | 32                       |
| n                              | no, end, pan                           | alveolar nasal  | Consonant                | 33                       |
| ng, nx                         | sing, anger, drink                     | velar nasal   | Consonant                | 34                       |
| ow                             | go, own, tone                          | back close-mid rounded                                    | Vowel                    | 35                       |
| oy                             | toy, coin, oil                         | diphthong with quality: ao + ih                           | Vowel                    | 36                       |
| p                              | put, open, tap                         | voiceless bilabial plosive                                | Consonant                | 37                       |
| r                              | red, part, far                         | retroflex approximant                                     | Consonant                | 38                       |
| s                              | sit, cast, toss                        | voiceless alveolar fricative                              | Consonant                | 39                       |
| sh                             | she, cushion, wash                     | voiceless postalveolar fricative                          | Consonant                | 40                       |
| t                              | talk, sat, (meter)                     | voiceless alveolar plosive, (alveolar flap)               | Consonant                | 41                       |
| th                             | thin, nothing, truth                   | voiceless dental fricative                                | Consonant                | 42                       |
| uh                             | book, pull, good                       | back close-mid unrounded (lax)                            | Vowel                    | 43                       |
| uw                             | too, crew, moo, tool                   | back close round  | Vowel                    | 44                       |
| v                              | vat, over, have                        | voiced labiodental fricative                              | Consonant                | 45                       |
| w                              | with, away                             | labiovelar sonorant glide                                 | Consonant                | 46                       |
| y                              | yard, onion, yacht                     | palatal sonorant glide                                    | Consonant                | 47                       |
| z                              | zap, lazy, haze                        | voiced alveolar fricative                                 | Consonant                | 48                       |
| zh                             | pleasure, genre, azure                 | voiced postalveolar fricative                             | Consonant                | 49                       |

| MS | Example              | IPA Description                            | Unicode name           | Unicode |
|----|----------------------|--|------------------------|---------|
| iy | Feel, eve, me        | front close unrounded                      | LATIN I                | U+0069  |
| ih | Fill, hit, lid       | front close unrounded (lax)                | LATIN CAPITAL I        | U+026A  |
| ae | at, carry, gas       | front open unrounded (tense)               | LATIN AE               | U+00E6  |
| aa | Father, ah, car      | back open unrounded                        | LATIN ALPHA            | U+0251  |
| ah | cut, bud, up         | open-mid back unrounded                    | LATIN TURNED V         | U+028C  |
| ao | dog, lawn, caught    | open-mid back round                        | LATIN OPEN O           | U+0254  |
| ay | Tie, ice, bite       | diphthong with quality: aa + ih            |                        |         |
| ax | ago, comply          | central close mid (schwa)                  | LATIN SCHWA            | U+0259  |
| ey | ate, day, tape       | front close-mid unrounded (tense)          | LATIN E                | U+0065  |
| eh | pet, berry, ten      | front open-mid unrounded                   | LATIN OPEN E           | U+025B  |
| er | Turn, fur, meter     | central open-mid unrounded rhotis          | LATIN SCHWA W/HOOK     | U+025A  |
| ow | go, own, tone        | back close-mid rounded                     | LATIN O                | U+006F  |
| aw | Foul, how, our       | diphthong with quality: aa + uh            |                        |         |
| oy | Toy, coin, oil       | diphthong with quality: ao + ih            |                        |         |
| uh | book, pull, good     | back close-mid unrounded (lax)             | LATIN UPSILON          | U+028A  |
| uw | Tool, crew, moo      | back close round                           | LATIN U                | U+0075  |
| b  | big, able, tab       | voiced bilabial plosive                    | LATIN B                | U+0062  |
| p  | put, open, tap       | voiceless bilabial plosive                 | LATIN P                | U+0070  |
| d  | dig, idea, wad       | voiced alveolar plosive                    | LATIN D                | U+0064  |
| t  | Talk, sat            | voiceless alveolar plosive & alveolar flap | LATIN T                | U+0074  |
| g  | gut, angle, tag      | voiced velar plosive                       | LATIN R W/FISHHOOK     | U+027E  |
| k  | cut, oaken, take     | voiceless velar plosive                    | LATIN K                | U+006B  |
| f  | Fork, after, if      | voiceless labiodental fricative            | LATIN F                | U+0066  |
| v  | vat, over, have      | voiced labiodental fricative               | LATIN V                | U+0076  |
| s  | sit, cast, toss      | voiceless alveolar fricative               | LATIN S                | U+0073  |
| z  | zap, lazy, haze      | voiced alveolar fricative                  | LATIN Z                | U+007A  |
| th | Thin, nothing, truth | voiceless dental fricative                 | GREEK THETA            | U+03B8  |
| dh | Then, father, scythe | voiced dental fricative                    | LATIN ETH              | U+00F0  |
| sh | she, cushion, wash   | voiceless postalveolar fricative           | LATIN ESH              | U+0283  |
| zh | genre, azure         | voiced postalveolar fricative              | LATIN EZH              | U+0292  |
| l  | Lid                  | alveolar lateral approximant               | LATIN L                | U+006C  |
|    | elbow, sail          | velar lateral approximant                  | LATIN L W/MIDDLE TILDE | U+026B  |
| r  | Red, part, far       | retroflex approximant                      | LATIN R                | U+0279  |
| y  | yacht, onion, yard   | palatal sonorant glide                     | LATIN J                | U+006A  |
| w  | with, away           | labiovelar sonorant glide                  | LATIN W                | U+0077  |
| hh | help, ahead, hotel   | voiceless glottal fricative                | LATIN H                | U+0068  |
| m  | mat, amid, aim       | bilabial nasal                             | LATIN M                | U+006D  |
| n  | no, end, pan         | alveolar nasal                             | LATIN N                | U+006E  |
| nx | sing, anger, drink   | velar nasal                                | LATIN ENG              | U+014B  |
| ch | chin, archer, march  | voiceless alveolar affricate: t + sh       |                        | U+02A7  |
| jh | Joy, agile, edge     | voiced alveolar affricate: d + zh          |                        | U+02a4  |