

# Every pair of letters

How often each two-letter sequence appears inside the **60,713** words of SCOWL, the American English word list behind Hunspell spell checkers, at its size 70. Read the row for the first letter and the column for the second: row **q**, column **u** is **qu**.

**449,484**

PAIRS COUNTED

**er 9,927**

MOST COMMON

**580 of 676**

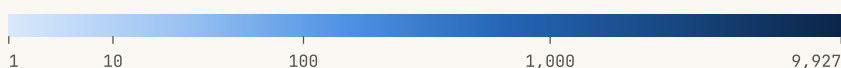
PAIRS THAT APPEAR

**96**

NEVER APPEAR

|                |   | SECOND LETTER → |           |            |            |            |            |            |            |            |            |            |            |            |            |            |            |           |            |            |            |            |            |           |           |            |            |  |  |
|----------------|---|-----------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|--|--|
|                |   | a               | b         | c          | d          | e          | f          | g          | h          | i          | j          | k          | l          | m          | n          | o          | p          | q         | r          | s          | t          | u          | v          | w         | x         | y          | z          |  |  |
| FIRST LETTER → | a | aa<br>37        | ab<br>2k  | ac<br>2.6k | ad<br>1.6k | ae<br>276  | af<br>377  | ag<br>1.4k | ah<br>249  | ai<br>1.1k | aj<br>58   | ak<br>459  | al<br>6.1k | am<br>1.8k | an<br>5.8k | ao<br>34   | ap<br>1.8k | aq<br>50  | ar<br>5k   | as<br>2.4k | at<br>6.3k | au<br>776  | av<br>540  | aw<br>304 | ax<br>204 | ay<br>498  | az<br>207  |  |  |
|                | b | ba<br>1.5k      | bb<br>363 | bc<br>43   | bd<br>55   | be<br>1.3k | bf<br>16   | bg<br>8    | bh<br>23   | bi<br>1.5k | bj<br>44   | bk<br>4    | bl<br>1.9k | bm<br>40   | bn<br>19   | bo<br>1.3k | bp<br>18   | bq<br>18  | br<br>906  | bs<br>237  | bt<br>65   | bu<br>807  | bv<br>19   | bw<br>19  | bx<br>19  | by<br>134  | bz<br>2    |  |  |
|                | c | ca<br>3.5k      | cb<br>1   | cc<br>361  | cd<br>13   | ce<br>2.5k | cf<br>16   | cg<br>8    | ch<br>3k   | ci<br>1.7k | cj<br>44   | ck<br>1.3k | cl<br>910  | cm<br>6    | cn<br>20   | co<br>3.6k | cp<br>2    | cq<br>22  | cr<br>1.4k | cs<br>50   | ct<br>1.6k | cu<br>1.2k | cv<br>2    | cw<br>2   | cx<br>2   | cy<br>594  | cz<br>10   |  |  |
|                | d | da<br>951       | db<br>107 | dc<br>64   | dd<br>343  | de<br>3.2k | df<br>60   | dg<br>174  | dh<br>73   | di<br>2.5k | dj<br>43   | dk<br>7    | dl<br>333  | dm<br>132  | dn<br>101  | do<br>1.2k | dp<br>48   | dq<br>2   | dr<br>775  | ds<br>231  | dt<br>40   | du<br>564  | dv<br>62   | dw<br>105 | dx<br>105 | dy<br>308  | dz<br>5    |  |  |
|                | e | ea<br>2.3k      | eb<br>465 | ec<br>2k   | ed<br>2.6k | ee<br>1.2k | ef<br>562  | eg<br>678  | eh<br>207  | ei<br>563  | ej<br>47   | ek<br>97   | el<br>2.5k | em<br>1.7k | en<br>6k   | eo<br>775  | ep<br>1.2k | eq<br>142 | er<br>9.9k | es<br>4.3k | et<br>2.8k | eu<br>476  | ev<br>506  | ew<br>453 | ex<br>885 | ey<br>301  | ez<br>72   |  |  |
|                | f | fa<br>644       | fb<br>14  | fc<br>6    | fd<br>3    | fe<br>831  | ff<br>515  | fg<br>2    | fh<br>10   | fi<br>1.1k | fj<br>2    | fk<br>743  | fl<br>2    | fm<br>2    | fn<br>3    | fo<br>870  | fp<br>5    | fq<br>5   | fr<br>499  | fs<br>15   | ft<br>253  | fu<br>594  | fv<br>5    | fw<br>5   | fx<br>184 | fy<br>184  | fz<br>184  |  |  |
|                | g | ga<br>1.1k      | gb<br>42  | gc<br>8    | gd<br>18   | ge<br>2.1k | gf<br>25   | gg<br>475  | gh<br>14   | gi<br>17   | gj<br>1.2k | gk<br>1    | gl<br>603  | gm<br>144  | gn<br>379  | go<br>779  | gp<br>11   | gq<br>11  | gr<br>1.4k | gs<br>109  | gt<br>38   | gu<br>38   | gv<br>1    | gw<br>39  | gx<br>39  | gy<br>489  | gz<br>5    |  |  |
|                | h | ha<br>2k        | hb<br>77  | hc<br>26   | hd<br>18   | he<br>2.8k | hf<br>33   | hg<br>14   | hh<br>17   | hi<br>1.9k | hj<br>1    | hk<br>8    | hl<br>191  | hm<br>146  | hn<br>118  | ho<br>2.4k | hp<br>34   | hq<br>1   | hr<br>582  | hs<br>576  | ht<br>429  | hu<br>394  | hv<br>1    | hw<br>83  | hx<br>83  | hy<br>1k   | hz<br>1    |  |  |
|                | i | ia<br>2.5k      | ib<br>797 | ic<br>5.3k | id<br>1.7k | ie<br>1.1k | if<br>816  | ig<br>1.2k | ih<br>47   | ii<br>21   | ij<br>14   | ik<br>249  | il<br>2.8k | im<br>1.4k | in<br>7.5k | io<br>3.2k | ip<br>1k   | iq<br>85  | ir<br>1.2k | is<br>5k   | it<br>4.1k | iu<br>381  | iv<br>1.2k | iw<br>23  | ix<br>114 | iy<br>18   | iz<br>1.1k |  |  |
|                | j | ja<br>206       | jb<br>162 | jc<br>162  | jd<br>162  | je<br>162  | jf<br>162  | jg<br>162  | jh<br>162  | ji<br>75   | jj<br>3    | jk<br>75   | jl<br>75   | jm<br>75   | jn<br>75   | jo<br>186  | jp<br>186  | jq<br>186 | jr<br>186  | js<br>186  | jt<br>186  | ju<br>186  | jv<br>186  | jw<br>186 | jx<br>186 | jy<br>186  | jz<br>186  |  |  |
|                | k | ka<br>350       | kb<br>71  | kc<br>22   | kd<br>17   | ke<br>1.1k | kf<br>39   | kg<br>7    | kh<br>62   | ki<br>644  | kj<br>5    | kk<br>35   | kl<br>164  | km<br>43   | kn<br>134  | ko<br>111  | kp<br>27   | kq<br>27  | kr<br>53   | ks<br>157  | kt<br>38   | ku<br>61   | kv<br>12   | kw<br>57  | kx<br>167 | ky<br>167  | kz<br>167  |  |  |
|                | l | la<br>3.7k      | lb<br>116 | lc<br>181  | ld<br>411  | le<br>5.2k | lf<br>165  | lg<br>113  | lh<br>45   | li<br>4.7k | lj<br>1    | lk<br>161  | ll<br>2.6k | lm<br>220  | ln<br>85   | lo<br>3k   | lp<br>152  | lq<br>5   | lr<br>34   | ls<br>160  | lt<br>611  | lu<br>1.1k | lv<br>153  | lw<br>51  | lx<br>1   | ly<br>1.9k | lz<br>2    |  |  |
|                | m | ma<br>3k        | mb<br>683 | mc<br>19   | md<br>8    | me<br>3.2k | mf<br>42   | mg<br>4    | mh<br>16   | mi<br>2.5k | mj<br>2    | mk<br>4    | ml<br>46   | mm<br>657  | mn<br>123  | mo<br>1.9k | mp<br>1.2k | mq<br>1   | mr<br>21   | ms<br>100  | mt<br>10   | mu<br>666  | mv<br>12   | mw<br>21  | mx<br>21  | my<br>368  | mz<br>2    |  |  |
|                | n | na<br>2.6k      | nb<br>101 | nc<br>2k   | nd<br>2.3k | ne<br>4.1k | nf<br>403  | ng<br>2.9k | nh<br>132  | ni<br>2.7k | nj<br>57   | nk<br>365  | nl<br>139  | nm<br>123  | nn<br>597  | no<br>2.2k | np<br>105  | nq<br>56  | nr<br>131  | ns<br>1.3k | nt<br>4.5k | nu<br>519  | nv<br>195  | nw<br>92  | nx<br>19  | ny<br>343  | nz<br>64   |  |  |
|                | o | oa<br>614       | ob<br>703 | oc<br>1.4k | od<br>1k   | oe<br>358  | of<br>320  | og<br>1.9k | oh<br>109  | oi<br>705  | oj<br>20   | ok<br>336  | ol<br>2.9k | om<br>2.5k | on<br>6.5k | oo<br>1.4k | op<br>1.9k | oq<br>51  | or<br>4.8k | os<br>2k   | ot<br>2k   | ou<br>2.9k | ov<br>827  | ow<br>822 | ox<br>259 | oy<br>176  | oz<br>95   |  |  |
|                | p | pa<br>1.9k      | pb<br>35  | pc<br>21   | pd<br>16   | pe<br>2.7k | pf<br>28   | pg<br>9    | ph<br>2.2k | pi<br>1.5k | pj<br>6    | pk<br>13   | pl<br>1.1k | pm<br>34   | pn<br>55   | po<br>1.9k | pp<br>778  | pq<br>778 | pr<br>1.9k | ps<br>377  | pt<br>620  | pu<br>564  | pv<br>564  | pw<br>26  | px<br>302 | py<br>302  | pz<br>1    |  |  |
|                | q | qa<br>3         | qb<br>3   | qc<br>3    | qd<br>3    | qe<br>1    | qf<br>1    | qg<br>1    | qh<br>1    | qi<br>7    | qj<br>7    | qk<br>7    | ql<br>7    | qm<br>7    | qn<br>7    | qo<br>7    | qp<br>7    | qq<br>7   | qr<br>7    | qs<br>7    | qt<br>7    | qu<br>7    | qv<br>7    | qw<br>7   | qx<br>7   | qy<br>7    | qz<br>7    |  |  |
|                | r | ra<br>5.4k      | rb<br>521 | rc<br>801  | rd<br>948  | re<br>5.4k | rf<br>238  | rg<br>550  | rh<br>220  | ri<br>4.8k | rj<br>27   | rk<br>389  | rl<br>372  | rm<br>1k   | rn<br>684  | ro<br>4.5k | rp<br>516  | rq<br>27  | rr<br>921  | rs<br>914  | rt<br>1.4k | ru<br>953  | rv<br>258  | rw<br>155 | rx<br>155 | ry<br>1.6k | rz<br>21   |  |  |
|                | s | sa<br>1.3k      | sb<br>82  | sc<br>1.5k | sd<br>41   | se<br>3k   | sf<br>72   | sg<br>39   | sh<br>1.9k | si<br>2.5k | sj<br>15   | sk<br>300  | sl<br>393  | sm<br>1.3k | sn<br>333  | so<br>1.3k | sp<br>1.3k | sq<br>134 | sr<br>27   | ss<br>2.6k | st<br>5.5k | su<br>1.4k | sv<br>10   | sw<br>296 | sx<br>296 | sy<br>506  | sz<br>3    |  |  |
|                | t | ta<br>3.3k      | tb<br>113 | tc<br>333  | td<br>36   | te<br>6.6k | tf<br>116  | tg<br>47   | th<br>2.6k | ti<br>6.8k | tj<br>7    | tk<br>8    | tl<br>384  | tm<br>150  | tn<br>58   | to<br>3.3k | tp<br>61   | tq<br>1   | tr<br>3.2k | ts<br>259  | tt<br>1.1k | tu<br>1.2k | tv<br>3    | tw<br>210 | tx<br>210 | ty<br>1.7k | tz<br>69   |  |  |
|                | u | ua<br>623       | ub<br>722 | uc<br>718  | ud<br>480  | ue<br>539  | uf<br>151  | ug<br>444  | uh<br>13   | ui<br>604  | uj<br>12   | uk<br>58   | ul<br>2k   | um<br>1.5k | un<br>2.1k | uo<br>149  | up<br>707  | uq<br>3   | ur<br>2.1k | us<br>2.8k | ut<br>1.5k | uu<br>9    | uv<br>71   | uw<br>2   | ux<br>60  | uy<br>20   | uz<br>47   |  |  |
|                | v | va<br>777       | vb<br>777 | vc<br>777  | vd<br>777  | ve<br>1    | vf<br>2.6k | vg<br>1    | vh<br>1    | vi<br>1.1k | vj<br>1    | vk<br>1    | vl<br>7    | vm<br>7    | vn<br>4    | vo<br>392  | vp<br>392  | vq<br>392 | vr<br>11   | vs<br>11   | vt<br>1    | vu<br>73   | vv<br>12   | vw<br>12  | vx<br>12  | vy<br>34   | vz<br>1    |  |  |
|                | w | wa<br>861       | wb<br>63  | wc<br>12   | wd<br>47   | we<br>578  | wf<br>26   | wg<br>10   | wh<br>321  | wi<br>537  | wj<br>2    | wk<br>27   | wl<br>87   | wm<br>34   | wn<br>206  | wo<br>748  | wp<br>22   | wq<br>22  | wr<br>132  | ws<br>81   | wt<br>28   | wu<br>13   | vv<br>12   | ww<br>12  | wx<br>12  | wy<br>28   | wz<br>6    |  |  |
|                | x | xa<br>118       | xb<br>5   | xc<br>92   | xd<br>1    | xe<br>165  | xf<br>8    | xg<br>1    | xh<br>36   | xi<br>290  | xj<br>290  | xk<br>290  | xl<br>8    | xm<br>5    | xn<br>1    | xo<br>92   | xp<br>177  | xq<br>1   | xr<br>1    | xs<br>10   | xt<br>206  | xu<br>50   | xv<br>50   | xw<br>5   | xx<br>1   | xy<br>73   | xz<br>73   |  |  |
|                | y | ya<br>246       | yb<br>112 | yc<br>317  | yd<br>189  | ye<br>237  | yf<br>28   | yg<br>103  | yh<br>33   | yi<br>93   | yj<br>1    | yk<br>6    | yl<br>394  | ym<br>410  | yn<br>267  | yo<br>190  | yp<br>456  | yq<br>456 | yr<br>244  | ys<br>433  | yt<br>264  | yu<br>28   | yv<br>7    | yw<br>77  | yx<br>25  | yy<br>1    | yz<br>27   |  |  |
|                | z | za<br>409       | zb<br>2   | zc<br>1    | zd<br>1    | ze<br>869  | zf<br>869  | zg<br>2    | zh<br>1    | zi<br>173  | zj<br>173  | zk<br>3    | zl<br>35   | zm<br>8    | zn<br>1    | zo<br>209  | zp<br>2    | zq<br>2   | zr<br>2    | zs<br>2    | zt<br>2    | zu<br>23   | zv<br>5    | zw<br>3   | zx<br>3   | zy<br>90   | zz<br>119  |  |  |

TIMES THE PAIR APPEARS



never appears