

## Frequency of Letters in English Language Text

**Arranged  
alphabetically**

Letter	Frequency (per 10,000 letters)
a	821
b	150
c	230
d	479
e	1237
f	225
g	208
h	645
i	676
j	18
k	87
l	393
m	254
n	705
o	767
p	163
q	9
r	550
s	617
t	921
u	291
v	87
w	254
x	13
y	195
z	6

**Arranged in order of  
decreasing frequency**

Letter	Frequency (per 10,000 letters)
e	1237
t	921
a	821
o	767
n	705
i	676
h	645
s	617
r	550
d	479
l	393
u	291
w	254
m	254
c	230
f	225
g	208
y	195
p	163
b	150
k	87
v	87
j	18
x	13
q	9
z	6

This data was obtained from seven English-language novels, containing a total of about 3.2 million letters, available on Project Gutenberg. Upper case letters were converted to lower case, and non-letter were ignored.