



Linux Ubuntu 26.04 Manual Pages on command 'tolower_1.3'

\$ man tolower_1.3

tolower(3) Library Functions Manual tolower(3)

NAME

tolower, tolower_l - convert a wide character to lowercase

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <wctype.h>

wint_t tolower(wint_t wc);

wint_t tolower_l(wint_t wc, locale_t locale);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

tolower_l():

Since glibc 2.10:

 _XOPEN_SOURCE >= 700

Before glibc 2.10:

 _GNU_SOURCE

DESCRIPTION

The `tolower()` function is the wide-character equivalent of the `tolower(3)` function. If `wc` is an uppercase wide character, and there exists a lowercase equivalent in the current locale, it returns the lowercase equivalent of `wc`. In all other cases, `wc` is returned unchanged.

The `tolower_l()` function performs the same task, but performs the conversion based on the character type information in the locale specified by `locale`. The behavior of `tolower_l()` is undefined if `locale` is the special locale object `LC_GLOBAL_LOCALE` (see `duplocale(3)`) or

The argument `wc` must be representable as a `wchar_t` and be a valid character in the locale or be the value `WEOF`.

If `wc` was convertible to lowercase, `tolower()` returns its lowercase equivalent; otherwise it returns `wc`.

For an explanation of the terms used in this section, see `attributes(7)`.

?	Interface	?	Attribute	?	Value	?
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? towlower() ? Thread safety ? MT-Safe locale ?

? tolower l()	? Thread safety	? MT-Safe	?
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towlower()

C11, POSIX.1-2008 (XSI).

towlower_l()

POSIX.1-2008.

towlower()

C99, POSIX.1-2001 (XSI). Obsolete in POSIX.1-2008 (XSI).

towlower_l()

glibc 2.3. POSIX.1-2008.

The behavior of these functions depends on the LC_CTYPE category of the locale.

These functions are not very appropriate for dealing with Unicode characters, because Unicode knows about three cases: upper, lower, and title case.

```
iswlower(3), towctrans(3), towupper(3), locale(7)
```