



Linux Ubuntu 26.04 Manual Pages on command 'towupper_1.3'

\$ man towupper_1.3

towupper(3) Library Functions Manual towupper(3)

NAME

towupper, towupper_l - convert a wide character to uppercase

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <wctype.h>

wint_t towupper(wint_t wc);

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

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

towupper_l():

Since glibc 2.10:

 _XOPEN_SOURCE >= 700

Before glibc 2.10:

 _GNU_SOURCE

DESCRIPTION

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

The towupper_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 towupper_l() is undefined if locale is the special locale object LC_GLOBAL_LOCALE (see duplocale(3)) or

is not a valid locale object handle.

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

RETURN VALUE

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

ATTRIBUTES

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

Interface	Attribute	Value	
towupper()	Thread safety	MT-Safe	locale
towupper_l()	Thread safety	MT-Safe	

STANDARDS

tolower()

C11, POSIX.1-2008 (XSI).

toupper_l()

POSIX.1-2008.

HISTORY

towupper()

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

towupper_l()

POSIX.1-2008. glibc 2.3.

NOTES

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` code knows about three cases: upper, lower, and title case.

SEE ALSO

```
iswupper(3), towctrans(3), towlower(3), locale(7)
```