

NAME

`wcwidth` – determine columns needed for a wide character

SYNOPSIS

```
#define _XOPEN_SOURCE    /* See feature_test_macros(7) */
#include <wchar.h>

int wcwidth(wchar_t c);
```

DESCRIPTION

The `wcwidth()` function returns the number of columns needed to represent the wide character *c*. If *c* is a printable wide character, the value is at least 0. If *c* is null wide character (`L'\0'`), the value is 0. Otherwise, `-1` is returned.

RETURN VALUE

The `wcwidth()` function returns the number of column positions for *c*.

ATTRIBUTES

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

Interface	Attribute	Value
<code>wcwidth()</code>	Thread safety	MT-Safe locale

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

Note that glibc before 2.2.5 used the prototype

```
int wcwidth(wint_t c);
```

NOTES

The behavior of `wcwidth()` depends on the `LC_CTYPE` category of the current locale.

SEE ALSO

`iswprint(3)`, `wcswidth(3)`

COLOPHON

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