

NAME

wcswidth – determine columns needed for a fixed-size wide-character string

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

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

int wcswidth(const wchar_t *s, size_t n);
```

DESCRIPTION

The **wcswidth()** function returns the number of columns needed to represent the wide-character string pointed to by *s*, but at most *n* wide characters. If a nonprintable wide character occurs among these characters, *-1* is returned.

RETURN VALUE

The **wcswidth()** function returns the number of column positions for the wide-character string *s*, truncated to at most length *n*.

ATTRIBUTES

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

Interface	Attribute	Value
wcswidth()	Thread safety	MT-Safe locale

STANDARDS

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

NOTES

The behavior of **wcswidth()** depends on the **LC_CTYPE** category of the current locale.

SEE ALSO

iswprint(3), **wcwidth(3)**