

NAME

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

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
<code>wcswidth()</code>	Thread safety	MT-Safe locale

CONFORMING TO

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

NOTES

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

SEE ALSO

[iswprint\(3\)](#), [wctype\(3\)](#)

COLOPHON

This page is part of release 4.10 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.