

NAME

iswxdigit - test for hexadecimal digit wide character

SYNOPSIS

```
#include <wctype.h>

int iswxdigit(wint_t wc);
```

DESCRIPTION

The **iswxdigit()** function is the wide-character equivalent of the [isxdigit\(3\)](#) function. It tests whether *wc* is a wide character belonging to the wide-character class `xdigit`.

The wide-character class `xdigit` is a subclass of the wide-character class `alnum`, and therefore also a subclass of the wide-character class `graph` and of the wide-character class `print`.

Being a subclass of the wide-character class `print`, the wide-character class `xdigit` is disjoint from the wide-character class `cntrl`.

Being a subclass of the wide-character class `graph`, the wide-character class `xdigit` is disjoint from the wide-character class `space` and its subclass `blank`.

Being a subclass of the wide-character class `alnum`, the wide-character class `xdigit` is disjoint from the wide-character class `punct`.

The wide-character class `xdigit` always contains at least the letters A to F, a to f and the digits 0 to 9.

RETURN VALUE

The **iswxdigit()** function returns nonzero if *wc* is a wide character belonging to the wide-character class `xdigit`. Otherwise, it returns zero.

CONFORMING TO

C99.

NOTES

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

SEE ALSO

[iswctype\(3\)](#), [isxdigit\(3\)](#)

COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.