

NAME

iswxdigit – test for hexadecimal digit wide character

LIBRARY

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

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.

ATTRIBUTES

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

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

STANDARDS

POSIX.1-2001, POSIX.1-2008, C99.

NOTES

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

SEE ALSO

iswctype(3), **isxdigit(3)**