

**NAME**

iswgraph – test for graphic wide character

**SYNOPSIS**

```
#include <wctype.h>
```

```
int iswgraph(wint_t wc);
```

**DESCRIPTION**

The **iswgraph()** function is the wide-character equivalent of the [isgraph\(3\)](#) function. It tests whether *wc* is a wide character belonging to the wide-character class "graph".

The wide-character class "graph" is a subclass of the wide-character class "print".

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

The wide-character class "graph" is disjoint from the wide-character class "space" and therefore also disjoint from its subclass "blank".

The wide-character class "graph" contains all the wide characters from the wide-character class "print" except the space character. It therefore contains the wide-character classes "alnum" and "punct".

**RETURN VALUE**

The **iswgraph()** function returns nonzero if *wc* is a wide character belonging to the wide-character class "graph". Otherwise, it returns zero.

**ATTRIBUTES**

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
<b>iswgraph()</b>	Thread safety	MT-Safe locale

**CONFORMING TO**

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

**NOTES**

The behavior of **iswgraph()** depends on the **LC\_CTYPE** category of the current locale.

**SEE ALSO**

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

**COLOPHON**

This page is part of release 4.16 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/>.