



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'log10l.3' command

\$ man log10l.3

LOG10(3) Linux Programmer's Manual LOG10(3)

NAME

log10, log10f, log10l - base-10 logarithmic function

SYNOPSIS

```
#include <math.h>
```

```
double log10(double x);
```

```
float log10f(float x);
```

```
long double log10l(long double x);
```

Link with -lm.

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

log10f(), log10l():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

```
|| /* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the base 10 logarithm of x.

RETURN VALUE

On success, these functions return the base 10 logarithm of x.

For special cases, including where x is 0, 1, negative, infinity, or

NaN, see log(3).

ERRORS

See math_error(7) for information on how to determine whether an error

has occurred when calling these functions.

For a discussion of the errors that can occur for these functions, see `log(3)`.

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

??

?`log10()`, `log10f()`, `log10l()` ? Thread safety ? MT-Safe ?

??

CONFORMING TO

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

The variant returning double also conforms to SVr4, 4.3BSD, C89.

SEE ALSO

`cbrt(3)`, `clog10(3)`, `exp10(3)`, `log(3)`, `log2(3)`, `sqrt(3)`

COLOPHON

This page is part of release 5.10 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/>.

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