



Linux Ubuntu 26.04 Manual Pages on command 'log10.3'

\$ man log10.3

log10(3) Library Functions Manual log10(3)

NAME

log10, log10f, log10l - base-10 logarithmic function

LIBRARY

Math library (libm, -lm)

SYNOPSIS

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

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

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

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

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 <= 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.

ATTRIBUTES

[illegible][illegible][illegible]

STANDARDS

HISTORY

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

SEE ALSO

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

Linux man-pages 6.17

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 $\log_{10}(3)$