



### ***Linux Ubuntu 26.04 Manual Pages on command 'log2f.3'***

***\$ man log2f.3***

log2(3) Library Functions Manual log2(3)

#### NAME

log2, log2f, log2l - base-2 logarithmic function

#### LIBRARY

Math library (libm, -lm)

#### SYNOPSIS

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

```
double log2(double x);
```

```
float log2f(float x);
```

```
long double log2l(long double x);
```

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

```
log2(), log2f(), log2l():
```

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

#### DESCRIPTION

These functions return the base-2 logarithm of x.

#### RETURN VALUE

On success, these functions return the base-2 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

[illegible]

C11, POSIX.1-2008.

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cbirt(3), clog2(3), log(3), log10(3), sqrt(3)

Linux man-pages 6.17

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 $\log_2(3)$