

**NAME**

`clog2`, `clog2f`, `clog2l` – base-2 logarithm of a complex number

**SYNOPSIS**

```
#include <complex.h>
```

```
double complex clog2(double complex z);
```

```
float complex clog2f(float complex z);
```

```
long double complex clog2l(long double complex z);
```

**DESCRIPTION**

The call `clog2(z)` is equivalent to `clog(z)/log(2)`.

The other functions perform the same task for *float* and *long double*.

Note that  $z$  close to zero will cause an overflow.

**CONFORMING TO**

These function names are reserved for future use in C99.

**AVAILABILITY**

Not yet in glibc, as at version 2.19.

**SEE ALSO**

[cabs\(3\)](#), [cexp\(3\)](#), [clog\(3\)](#), [clog10\(3\)](#), [complex\(7\)](#)

**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/>.