

**NAME**

`clog10`, `clog10f`, `clog10l` - base-10 logarithm of a complex number

**SYNOPSIS**

```
#define _GNU_SOURCE /* See feature\_test\_macros\(7\) */  
#include <complex.h>
```

```
double complex clog10(double complex z);  
float complex clog10f(float complex z);  
long double complex clog10l(long double complex z);
```

Link with `-lm`.

**DESCRIPTION**

The call `clog10(z)` is equivalent to `clog(z)/log(10)`. The other functions perform the same task for *float* and *long double*.

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

**VERSIONS**

These functions first appeared in glibc in version 2.1.

**CONFORMING TO**

This function is a GNU extension. It is reserved for future use in C99.

**SEE ALSO**

[cabs\(3\)](#), [cexp\(3\)](#), [clog\(3\)](#), [clog2\(3\)](#), [complex\(7\)](#)

**COLOPHON**

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