

**NAME**

`cexp2`, `cexp2f`, `cexp2l` - base-2 exponent of a complex number

**SYNOPSIS**

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

```
double complex cexp2(double complex z);
```

```
float complex cexp2f(float complex z);
```

```
long double complex cexp2l(long double complex z);
```

Link with `-lm`.

**DESCRIPTION**

The function returns 2 raised to the power of  $z$ .

**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\(3\)](#), [clog10\(3\)](#), [complex\(7\)](#)

**COLOPHON**

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.