



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

creal(3)

Library Functions Manual

creal(3)

creal, crealf, creall - get real part of a complex number

Math library (libm, -lm)

```
#include <complex.h>

double creal(double complex z);

float crealf(float complex z);

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

These functions return the real part of the complex number z .

$$z = \text{creal}(z) + i * \text{cimag}(z)$$

For an explanation of the terms used in this section, see `attributes(7)`.

[illegible]

? Interface	? Attribute	? Value	?
...	...	...	...

[illegible]

? creat(), crealf(), creall() ? Thread safety ? MT-Safe ?

[illegible]

GCC supports also `__real__`. That is a GNU extension.

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), cimag(3), complex(7)

Linux man-pages 6.17

2026-02-08

creal(3)