



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'creal.3' command

\$ man creal.3

CREAL(3) Linux Programmer's Manual CREAL(3)

NAME

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

SYNOPSIS

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

```
double creal(double complex z);
```

```
float crealf(float complex z);
```

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

Link with -lm.

DESCRIPTION

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

One has:

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

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see at?

tributes(7).

??

?Interface ? Attribute ? Value ?

??

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

??

CONFORMING TO

C99, POSIX.1-2001, POSIX.1-2008.

NOTES

The gcc supports also `__real__`. That is a GNU extension.

SEE ALSO

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

COLOPHON

This page is part of release 5.10 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/>.

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