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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'ccosl.3'***

#### ***\$ man ccosl.3***

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

#### NAME

ccos, ccosf, ccosl - complex cosine function

#### SYNOPSIS

```
#include <complex.h>

double complex ccos(double complex z);

float complex ccosf(float complex z);

long double complex ccosl(long double complex z);

Link with -lm.
```

#### DESCRIPTION

These functions calculate the complex cosine of z.

The complex cosine function is defined as:

$$\text{ccos}(z) = (\exp(i * z) + \exp(-i * z)) / 2$$

#### 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   ?

??

?ccos(), ccosf(), ccosl() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

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

SEE ALSO

cabs(3), cacos(3), csin(3), ctan(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/>.

2017-09-15

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