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

**\$ man ccosf.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:  
$$ccos(z) = (\exp(i * z) + \exp(-i * z)) / 2$$

**VERSIONS**

These functions first appeared in glibc in version 2.1.

**ATTRIBUTES**

For an explanation of the terms used in this section, see attributes(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/>.

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