



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

\$ man csqrt.3

csqrt(3) Library Functions Manual csqrt(3)

NAME _____

csqrt, csqrtf, csqrtl - complex square root

LIBRARY

Math library (libm, -lm)

SYNOPSIS

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

```
double complex csqrt(double complex z);
```

```
float complex csqrtf(float complex z);
```

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

DESCRIPTION

These functions calculate the complex square root of z , with a branch cut along the negative real axis. (That means that $\text{csqrt}(-1+\text{eps}*I)$ will be close to I while $\text{csqrt}(-1-\text{eps}*I)$ will be close to $-I$, if eps is a small positive real number.)

ATTRIBUTES

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

[illegible]

? Interface	? Attribute	? Value	?
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[illegible]

? csqrt(), csqrtf(), csqrtl() ? Thread safety ? MT-Safe ?

[illegible]

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), cexp(3), complex(7)

Linux man-pages 6.17

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csqrt(3)