



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

\$ man cbrt.3

cbrt(3) Library Functions Manual cbrt(3)

NAME

cbrt, cbrtf, cbrtl - cube root function

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>
```

```
double cbrt(double x);
```

```
float cbrtf(float x);
```

```
long double cbrtl(long double x);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

cbrt():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

```
|| _XOPEN_SOURCE >= 500
```

```
|| /* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

cbrtf(), cbrtl():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

```
|| /* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the (real) cube root of x. This function cannot fail; every repre-

sentable real value has a real cube root, and rounding it to a representable value never

RETURN VALUE

If x is +0, -0, positive infinity, negative infinity, or NaN, x is returned.

No errors occur.

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

? Interface	? Attribute	? Value	?
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? cbrt(), cbrtf(), cbrtl()	? Thread safety ? MT-Safe ?
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STANDARDS

HISTORY

SEE ALSO

Linux man-pages 6.17

2026-02-08

cbrt(3)