



Full credit is given to the above companies including the OS that this PDF file was generated!

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

\$ man qecvt_r.3

ecvt_r(3) Library Functions Manual ecvt_r(3)

NAME

ecvt_r, fcvt_r, qecvt_r, qfcvt_r - convert a floating-point number to a string

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <stdlib.h>
```

```
[[deprecated]] int ecvt_r(double number, int ndigits,  
    int *restrict decpt, int *restrict sign,  
    char *restrict buf, size_t size);
```

```
[[deprecated]] int fcvt_r(double number, int ndigits,  
    int *restrict decpt, int *restrict sign,  
    char *restrict buf, size_t size);
```

```
[[deprecated]] int qecvt_r(long double number, int ndigits,  
    int *restrict decpt, int *restrict sign,  
    char *restrict buf, size_t size);
```

```
[[deprecated]] int qfcvt_r(long double number, int ndigits,  
    int *restrict decpt, int *restrict sign,  
    char *restrict buf, size_t size);
```

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

```
ecvt_r(), fcvt_r(), qecvt_r(), qfcvt_r():
```

```
/* glibc >= 2.19: */ _DEFAULT_SOURCE
```

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

DESCRIPTION

The functions `ecvt_r()`, `fcvt_r()`, `qecvt_r()`, and `qfcvt_r()` are identical to `ecvt(3)`, `fcvt(3)`, `qecvt(3)`, and `qfcvt(3)`, respectively, except that they do not return their result in a static buffer, but instead use the supplied `buf` of size `size`. See `ecvt(3)` and `qecvt(3)`.

RETURN VALUE

These functions return 0 on success, and -1 otherwise.

ATTRIBUTES

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

[illegible]

?	Interface	?	Attribute	?	Value	?
---	-----------	---	-----------	---	-------	---

[illegible]

? ecvt r(), fcvt r(), gecvt r(), qfcvt r()) ? Thread safety ? MT-Safe ?

[illegible]

STANDARDS

GNU.

NOTES

These functions are obsolete. Instead, `sprintf(3)` is recommended.

SEE ALSO

ecvt(3), qecvt(3), sprintf(3)

Linux man-pages 6.17

2026-02-08

ecvt_r(3)