



### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'ecvt\_r.3'***

**\$ man ecvt\_r.3**

ECVT\_R(3)                      Linux Programmer's Manual                      ECVT\_R(3)

#### NAME

ecvt\_r, fcvt\_r, qecvt\_r, qfcvt\_r - convert a floating-point number to a string

#### SYNOPSIS

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

```
int ecvt_r(double number, int ndigits, int *decpt,  
           int *sign, char *buf, size_t len);
```

```
int fcvt_r(double number, int ndigits, int *decpt,  
           int *sign, char *buf, size_t len);
```

```
int qecvt_r(long double number, int ndigits, int *decpt,  
            int *sign, char *buf, size_t len);
```

```
int qfcvt_r(long double number, int ndigits, int *decpt,  
            int *sign, char *buf, size_t len);
```

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

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

```
/* Glibc since 2.19: */ _DEFAULT_SOURCE
```

```
|| /* Glibc versions <= 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 `len`. 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)`.

????????????????????????????????????????????????????????

?Interface        ? Attribute    ? Value    ?

????????????????????????????????????????????????????????

?`ecvt_r()`, `fcvt_r()`, ? Thread safety ? MT-Safe ?

?`qecvt_r()`, `qfcvt_r()` ?            ?        ?

????????????????????????????????????????????????????????

## CONFORMING TO

These functions are GNU extensions.

## NOTES

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

## SEE ALSO

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

## 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/>.