



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'strchr.3' command***

**\$ man strchr.3**

STRCHR(3)                      Linux Programmer's Manual                      STRCHR(3)

### NAME

strchr, strchr, strchrnul - locate character in string

### SYNOPSIS

```
#include <string.h>

char *strchr(const char *s, int c);

char *strrchr(const char *s, int c);

#define _GNU_SOURCE      /* See feature_test_macros(7) */

#include <string.h>

char *strchrnul(const char *s, int c);
```

### DESCRIPTION

The `strchr()` function returns a pointer to the first occurrence of the character `c` in the string `s`.

The `strrchr()` function returns a pointer to the last occurrence of the character `c` in the string `s`.

The `strchrnul()` function is like `strchr()` except that if `c` is not found in `s`, then it returns a pointer to the null byte at the end of `s`, rather than `NULL`.

Here "character" means "byte"; these functions do not work with wide or multibyte characters.

### RETURN VALUE

The `strchr()` and `strrchr()` functions return a pointer to the matched character or `NULL` if the character is not found. The terminating null

byte is considered part of the string, so that if `c` is specified as `'\0'`, these functions return a pointer to the terminator.

The `strchrnul()` function returns a pointer to the matched character, or a pointer to the null byte at the end of `s` (i.e., `s+strlen(s)`) if the character is not found.

## VERSIONS

`strchrnul()` first appeared in glibc in version 2.1.1.

## ATTRIBUTES

For an explanation of the terms used in this section, see at?

tributes(7).

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?Interface                    ? Attribute    ? Value    ?

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?`strchr()`, `strrchr()`, `strchrnul()` ? Thread safety ? MT-Safe ?

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## CONFORMING TO

`strchr()`, `strrchr()`: POSIX.1-2001, POSIX.1-2008, C89, C99, SVr4, 4.3BSD.

`strchrnul()` is a GNU extension.

## SEE ALSO

`index(3)`, `memchr(3)`, `rindex(3)`, `string(3)`, `strlen(3)`, `strpbrk(3)`,  
`strsep(3)`, `strspn(3)`, `strstr(3)`, `strtok(3)`, `wcschr(3)`, `wcsrchr(3)`

## COLOPHON

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