

## NAME

**xzgrep** – search possibly-compressed files for patterns

## SYNOPSIS

**xzgrep** [*option...*] [*pattern\_list*] [*file...*]

**xzegrep** ...

**xzfgrep** ...

**lzgrep** ...

**lzegrep** ...

**lzfgrep** ...

## DESCRIPTION

**xzgrep** invokes **grep**(1) on uncompressed contents of files. The formats of the *files* are determined from the filename suffixes. Any *file* with a suffix supported by **xz**(1), **gzip**(1), **bzip2**(1), **lzop**(1), **zstd**(1), or **lz4**(1) will be decompressed; all other files are assumed to be uncompressed.

If no *files* are specified or *file* is **-** then standard input is read. When reading from standard input, only files supported by **xz**(1) are decompressed. Other files are assumed to be in uncompressed form already.

Most *options* of **grep**(1) are supported. However, the following options are not supported:

**-r, --recursive**

**-R, --dereference-recursive**

**-d, --directories=action**

**-Z, --null**

**-z, --null-data**

**--include=glob**

**--exclude=glob**

**--exclude-from=file**

**--exclude-dir=glob**

**xzegrep** is an alias for **xzgrep -E**. **xzfgrep** is an alias for **xzgrep -F**.

The commands **lzgrep**, **lzegrep**, and **lzfgrep** are provided for backward compatibility with LZMA Utils.

## EXIT STATUS

- |    |                                                                                        |
|----|----------------------------------------------------------------------------------------|
| 0  | At least one match was found from at least one of the input files. No errors occurred. |
| 1  | No matches were found from any of the input files. No errors occurred.                 |
| >1 | One or more errors occurred. It is unknown if matches were found.                      |

**ENVIRONMENT**

**GREP** If **GREP** is set to a non-empty value, it is used instead of **grep**, **grep -E**, or **grep -F**.

**SEE ALSO**

**grep(1)**, **xz(1)**, **gzip(1)**, **bzip2(1)**, **lzop(1)**, **zstd(1)**, **lz4(1)**, **zgrep(1)**