# lsd ls with colors and icons

## CONCEPTS

lsd takes most ls flags, so alias ls to it. Icons need a Nerd Font in the terminal; use --icon never or --icon-theme unicode otherwise.

**Config file** config.yaml
↓ overridden by
**Flags** --tree, -l, --sort
↓ render
**Listing** colors + icons

Flags beat config.yaml; --ignore-config skips the file entirely.

## LISTING

`lsd [<path>]`
List a directory

`lsd -a`
Include hidden entries

`lsd -A`
Hidden, but not dot entries

`lsd -l`
Long table with permissions and sizes

`lsd -1`
One entry per line

`lsd -d <path>`
List the directory itself, not contents

`lsd -L`
Follow symlinks to their targets

`lsd --no-symlink`
Hide symlink targets

`lsd -F`
Append type indicators

`lsd -I <glob>`
Hide names matching a glob

## TREE AND RECURSION

`lsd --tree`
Show a tree

`lsd --tree --depth <n>`
Tree limited to n levels

`lsd --tree -a -I .git`
Tree with hidden files, minus .git

`lsd --tree -l`
Tree with long columns

`lsd -R`
Recurse into subdirectories

## TREE AND RECURSION (cont.)

`lsd --tree --total-size`
Directory sizes in the tree

## SORTING

`lsd -t`
Sort by modification time

`lsd -S`
Sort by size

`lsd -X`
Sort by extension

`lsd -v`
Natural version sort

`lsd -r`
Reverse the order

`lsd --group-dirs first`
Directories before files

## LONG FORMAT COLUMNS

`lsd -l --blocks <list>`
Pick and order columns

`lsd -l --header`
Show column headers

`lsd -l --size short`
Short sizes such as 1.2M

`lsd -l --date relative`
Dates like 2 days ago

`lsd -l --date '+<format>'`
Custom strftime date

`lsd -l --permission octal`
Permissions as 0644

`lsd -l -Z`
Show security context

`lsd --total-size -l`
Sum up directory contents

`lsd --git -l`
Show git status per file

## COLORS AND ICONS

`lsd --color never`
Turn colors off

`lsd --color always`
Force colors, e.g. into a pager

`lsd --icon never`
Turn icons off

`lsd --icon-theme unicode`
Plain unicode icons, no Nerd Font

## COLORS AND ICONS (cont.)

`lsd --hyperlink auto`
Clickable file names

`lsd --classic`
Behave like plain ls

## CONFIGURATION

`lsd --config-file <path>`
Use another config file

`lsd --ignore-config`
Skip the config file

`~/.config/lsd/config.yaml`
Main config file location

### config.yaml keys

| Key | Example | Effect |
|---|---|---|
| `layout` | tree | grid, tree or oneline |
| `blocks` | [permission, size, name] | long columns |
| `sorting.dir-grouping` | first | Directories first |
| `date` | relative | Date style |
| `icons.theme` | unicode | Icon set |
| `ignore-globs` | [.git] | Always hidden |

## HELP

`lsd --help`
List all options

`lsd --version`
Show installed version

## RECIPES

### Aliases for your shell

```
alias ls='lsd'
alias l='ls -l'
alias la='ls -a'
alias lla='ls -la'
alias lt='ls --tree'
```

### Project overview

```
lsd --tree --depth 2 -I .git -I node_modules
```

### What changed recently

```
lsd -ltr --date relative --group-dirs none
```

### Minimal config

```
# ~/.config/lsd/config.yaml
date: relative
sorting:
  dir-grouping: first
icons:
  theme: unicode
```