# delta Better git diffs

## CONCEPTS

delta is a pager for git, diff and grep output. It does not run diffs itself: git pipes into it once core.pager = delta is set.

**git diff / log / show** unified diff
↓ core.pager
**delta** syntax + word diff
↓ features
**Styled output** numbers, side-by-side
↓ if long
**less** scroll, n and N

Options live in [delta] of ~/.gitconfig. Command-line flags override them. Named groups ([delta "name"]) are switched on with features.

## SETUP

`git config --global core.pager delta`
Send git output through delta

`git config --global interactive.diffFilter "delta --color-only"`
Colour git add -p

`git config --global delta.navigate true`
Enable n / N jumping

`git config --global delta.dark true`
Force dark colours (or light)

`git config --global merge.conflictStyle zdiff3`
Show merge base in conflicts

`git config --global delta.line-numbers true`
Show old and new line numbers

`git config --global delta.side-by-side true`
Always side-by-side

`git config --global diff.colorMoved default`
Detect moved code blocks

`delta --show-config`
Show every active option

## VIEWING DIFFS

`git diff`
Unstaged changes

`git diff --staged`
Staged changes

`git log -p`
Commits with patches

`git show <commit>`
One commit

`delta <a> <b>`
Compare two files, no repo needed

`diff -u <a> <b> | delta`
Highlight any unified diff

`-s / --side-by-side`
Two panels

`-n / --line-numbers`
Number columns

`--navigate`
Enable n / N

`n / N`
Next / previous file (pager)

## SIDE-BY-SIDE

`DELTA_FEATURES=+side-by-side`
Toggle on for this shell

`DELTA_FEATURES=+`
Switch the toggle off again

`git -c delta.features=side-by-side diff`
Side-by-side for one run

## COLOURS AND THEMES

`delta --show-themes`
Preview delta themes on a diff

`--syntax-theme <name>`
Pick syntax colours (none = off)

`--dark / --light`
Defaults for terminal background

`features = <theme>`
Activate a named theme

## BEYOND DIFFS

`rg --json -C 2 <pattern> | delta`
Highlight ripgrep results