

git diff

Show changes to tracked files.

- Show unstaged, uncommitted changes:

```
git diff
```

- Show all uncommitted changes (including staged ones):

```
git diff HEAD
```

- Show only staged (added, but not yet committed) changes:

```
git diff --staged
```

- Show changes from all commits since a given date/time (a date expression, e.g. "1 week 2 days" or an ISO date):

```
git diff 'HEAD@{3 months|weeks|days|hours|seconds ago}'
```

- Show only names of changed files since a given commit:

```
git diff --name-only {{commit}}
```

- Output a summary of file creations, renames and mode changes since a given commit:

```
git diff --summary {{commit}}
```

- Create a patch file:

```
git diff > {{target_file}}.patch
```

- Compare a single file between two branches or commits:

```
git diff {{branch_1}}..{{branch_2}} [--] {{path/to/file}}
```

- Compare different files from the current branch to other branch:

```
git diff {{branch}}:{{path/to/file2}} {{path/to/file}}
```