# ms

[Build Status](https://travis-ci.org/zeit/ms) [Join the community on Spectrum](https://spectrum.chat/zeit)

Use this package to easily convert various time formats to milliseconds.

## Examples

ms('2 days') // 172800000

ms('1d') // 86400000

ms('10h') // 36000000

ms('2.5 hrs') // 9000000

ms('2h') // 7200000

ms('1m') // 60000

ms('5s') // 5000

ms('1y') // 31557600000

ms('100') // 100

ms('-3 days') // -259200000

ms('-1h') // -3600000

ms('-200') // -200

### Convert from Milliseconds

ms(60000) // "1m"

ms(2 \* 60000) // "2m"

ms(-3 \* 60000) // "-3m"

ms(ms('10 hours')) // "10h"

### Time Format Written-Out

ms(60000, { long: true }) // "1 minute"

ms(2 \* 60000, { long: true }) // "2 minutes"

ms(-3 \* 60000, { long: true }) // "-3 minutes"

ms(ms('10 hours'), { long: true }) // "10 hours"

## Features

* Works both in [Node.js](https://nodejs.org) and in the browser
* If a number is supplied to ms, a string with a unit is returned
* If a string that contains the number is supplied, it returns it as a number (e.g.: it returns 100 for '100')
* If you pass a string with a number and a valid unit, the number of equivalent milliseconds is returned

## Related Packages

* [ms.macro](https://github.com/knpwrs/ms.macro) - Run ms as a macro at build-time.

## Caught a Bug?

1. [Fork](https://help.github.com/articles/fork-a-repo/) this repository to your own GitHub account and then [clone](https://help.github.com/articles/cloning-a-repository/) it to your local device
2. Link the package to the global module directory: npm link
3. Within the module you want to test your local development instance of ms, just link it to the dependencies: npm link ms. Instead of the default one from npm, Node.js will now use your clone of ms!

As always, you can run the tests using: npm test