

# Installation

## Installing an official release

Matplotlib releases are available as wheel packages for macOS, Windows and Linux on [PyPI](#). Install it using `pip`:

```
python -m pip install -U pip
python -m pip install -U matplotlib
```

If this command results in Matplotlib being compiled from source and there's trouble with the compilation, you can add `--prefer-binary` to select the newest version of Matplotlib for which there is a precompiled wheel for your OS and Python.

### Note

The following backends work out of the box: Agg, ps, pdf, svg

Python is typically shipped with tk bindings which are used by TkAgg.

For support of other GUI frameworks, LaTeX rendering, saving animations and a larger selection of file formats, you can install [Optional dependencies](#).

## Third-party distributions

Various third-parties provide Matplotlib for their environments.

### Conda packages

Matplotlib is available both via the *anaconda main channel*

```
conda install matplotlib
```

as well as via the *conda-forge community channel*

```
conda install -c conda-forge matplotlib
```

### Python distributions

Matplotlib is part of major Python distributions:

- [Anaconda](#)
- [ActiveState](#) [ActivePython](#)
- [WinPython](#)

### Linux package manager

If you are using the Python version that comes with your Linux distribution, you can install Matplotlib via your package manager, e.g.:

- Debian / Ubuntu: `sudo apt-get install python3-matplotlib`
- Fedora: `sudo dnf install python3-matplotlib`
- Red Hat: `sudo yum install python3-matplotlib`
- Arch: `sudo pacman -S python-matplotlib`

## Installing from source

See [Installing from source](#).

## Installing for development

See [Setting up Matplotlib for development](#).

### Table of Contents

#### Installation

- Installing an official release
- Third-party distributions
  - [Conda packages](#)
  - [Python distributions](#)
  - [Linux package manager](#)
- Installing from source
- Installing for development

Show Page Source