# wxlconSaver

Release 0.1.7

wxPython GUI for saving icons to files.

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Chapter

**ONE** 

# Installation

# 1.1 from PyPI

\$ python3 -m pip install wxIconSaver --user

# 1.2 from GitHub

\$ python3 -m pip install git+https://github.com/domdfcoding/wxIconSaver@master --user
wxIconSaver can then be run with the wxIconSaver command.

Chapter

**TWO** 

## **Documentation**

# 2.1 Usage

The main window of wxIconSaver is shown below.

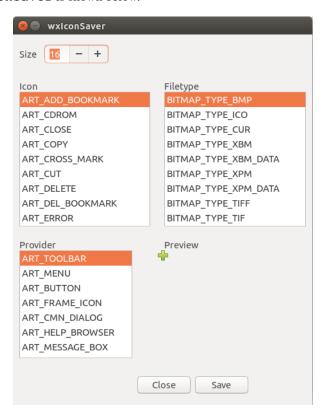


Fig. 1: The main window

The Icon, Filetype, Provider and Size can all be customised.

**Tip:** Try to use standard image sizes (e.g, 32, 48, 46, 128), as other sizes can be blurry.

To save the icon, click the Save button.

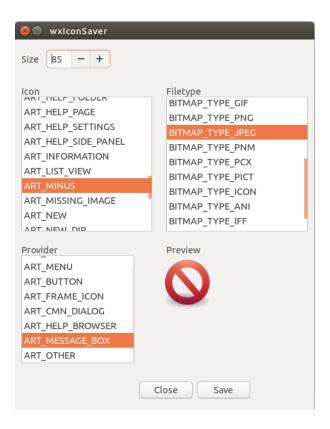


Fig. 2: Selecting a different Icon, Filetype, Provider and Size.

## 2.2 Public API

wxPython GUI for saving icons to files.

#### Data:

ART_PROVIDERS	A list of wxPython's art providers.
BUILTIN_ICONS	A list of wxPython's builtin icons.

#### Classes:

BitmapSaverFrame(parent[, id, title, pos,])	Frame for configuring the bitmap icon to be saved.
FileTypesEnum(value)	An enumeration for supported filetypes.

ART\_PROVIDERS = ['ART\_TOOLBAR', 'ART\_MENU', 'ART\_BUTTON', 'ART\_FRAME\_ICON', 'ART\_CMN\_DIALOG Type: list

A list of wxPython's art providers.

BUILTIN\_ICONS = ['ART\_ADD\_BOOKMARK', 'ART\_CDROM', 'ART\_CLOSE', 'ART\_COPY', 'ART\_CROSS\_MARK Type: list

A list of wxPython's builtin icons.

**class BitmapSaverFrame** (parent, id=-1, title=", pos=(-1, -1), size=(-1, -1), style=541072960, name=b'frame')

Bases: Frame

Frame for configuring the bitmap icon to be saved.

Chapter 2. Documentation

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**Parameters** 

#### Table 3 – continued from previous page

update preview(\*events)

Update the preview image.

### on\_close (\*events)

Close the window.

#### on\_save(event)

Save the icon with the current settings.

Parameters event (Event)

#### update\_preview(\*events)

Update the preview image.

### enum FileTypesEnum(value)

Bases: enum. Enum

An enumeration for supported filetypes.

Valid values are as follows:

```
BITMAP_TYPE_CUR = <FileTypesEnum.BITMAP_TYPE_CUR: 2, CUR files (*.cur)|*.cur, ftype=5>
BITMAP_TYPE_CUR = <FileTypesEnum.BITMAP_TYPE_CUR: 2, CUR files (*.cur)|*.cur, ftype=5>
BITMAP_TYPE_XBM = <FileTypesEnum.BITMAP_TYPE_XBM: 3, XBM files (*.xbm)|*.xbm, ftype=7>
BITMAP_TYPE_XBM_DATA = <FileTypesEnum.BITMAP_TYPE_XBM_DATA: 4, XBM DATA files (*.bmp)|
BITMAP_TYPE_XBM_DATA = <FileTypesEnum.BITMAP_TYPE_XBM_DATA: 4, XBM DATA files (*.bmp)|
BITMAP_TYPE_XPM_DATA = <FileTypesEnum.BITMAP_TYPE_XPM: 5, XBM files (*.xpm)|*.xpm, ftype=9>
BITMAP_TYPE_XPM_DATA = <FileTypesEnum.BITMAP_TYPE_XPM_DATA: 6, XPM DATA files (*.xpm)|
BITMAP_TYPE_TIFF = <FileTypesEnum.BITMAP_TYPE_TIFF: 7, TIFF files (*.tiff)|*.tiff, ftype=13
BITMAP_TYPE_GIF = <FileTypesEnum.BITMAP_TYPE_TIF: 8, TIFF files (*.gif)|*.gif, ftype=13
BITMAP_TYPE_FIG = <FileTypesEnum.BITMAP_TYPE_PIG: 10, PNG files (*.png)|*.png, ftype=1
BITMAP_TYPE_DEG = <FileTypesEnum.BITMAP_TYPE_DEG: 11, JPEG files (*.jpg)|*.jpg, ftype=1
BITMAP_TYPE_PIM = <FileTypesEnum.BITMAP_TYPE_PIM: 12, PNM files (*.pnm)|*.pnm, ftype=1
BITMAP_TYPE_PIC = <FileTypesEnum.BITMAP_TYPE_PIC: 13, PCX files (*.pcx)|*.pcx, ftype=2
BITMAP_TYPE_PICT = <FileTypesEnum.BITMAP_TYPE_PICT: 14, PICT files (*.pict)|*.pict, ftype=2
BITMAP_TYPE_FICT = <FileTypesEnum.BITMAP_TYPE_PICT: 14, PICT files (*.pict)|*.pict, ftype=2
```

BITMAP\_TYPE\_ICON = <FileTypesEnum.BITMAP\_TYPE\_ICON: 15, ICON files (\*.ico) | \*.ico, ftyp

BITMAP\_TYPE\_BMP = <FileTypesEnum.BITMAP\_TYPE\_BMP: 0, BMP files (\*.bmp) | \*.bmp, ftype=1>

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```
BITMAP_TYPE_ANI = <FileTypesEnum.BITMAP_TYPE_ANI: 16, ANI files (*.ani) | *.ani, ftype=2

BITMAP_TYPE_IFF = <FileTypesEnum.BITMAP_TYPE_IFF: 17, IFF files (*.iff) | *.iff, ftype=2

BITMAP_TYPE_TGA = <FileTypesEnum.BITMAP_TYPE_TGA: 18, TGA files (*.tga) | *.tga, ftype=2

BITMAP_TYPE_MACCURSOR = <FileTypesEnum.BITMAP_TYPE_MACCURSOR: 19, Mac Cursor files (*.tga)
```

# 2.3 Contributing

wxIconSaver uses tox to automate testing and packaging, and pre-commit to maintain code quality.

Install pre-commit with pip and install the git hook:

```
$ python -m pip install pre-commit
$ pre-commit install
```

## 2.3.1 Coding style

formate is used for code formatting.

It can be run manually via pre-commit:

```
$ pre-commit run formate -a
```

Or, to run the complete autoformatting suite:

```
$ pre-commit run -a
```

## 2.3.2 Automated tests

Tests are run with tox and pytest. To run tests for a specific Python version, such as Python 3.6:

```
$ tox -e py36
```

To run tests for all Python versions, simply run:

\$ tox

# 2.3.3 Type Annotations

Type annotations are checked using mypy. Run mypy using tox:

```
$ tox -e mypy
```

## 2.3.4 Build documentation locally

The documentation is powered by Sphinx. A local copy of the documentation can be built with tox:

```
$ tox -e docs
```

# 2.4 Downloading source code

The wxIconSaver source code is available on GitHub, and can be accessed from the following URL: https://github.com/domdfcoding/wxIconSaver

If you have git installed, you can clone the repository with the following command:

\$ git clone https://github.com/domdfcoding/wxIconSaver

```
Cloning into 'wxIconSaver'...
remote: Enumerating objects: 47, done.
remote: Counting objects: 100% (47/47), done.
remote: Compressing objects: 100% (41/41), done.
remote: Total 173 (delta 16), reused 17 (delta 6), pack-reused 126
Receiving objects: 100% (173/173), 126.56 KiB | 678.00 KiB/s, done.
Resolving deltas: 100% (66/66), done.
```

Alternatively, the code can be downloaded in a 'zip' file by clicking: *Clone or download -> Download Zip* 

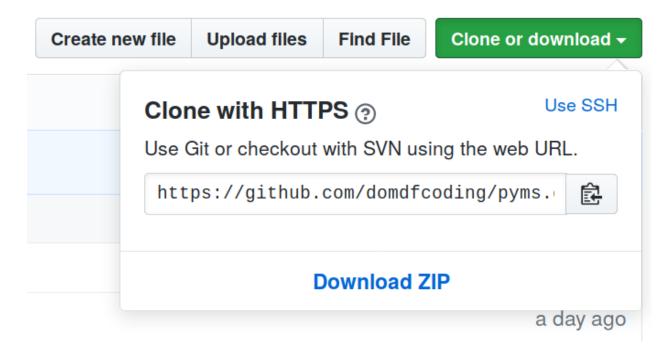


Fig. 3: Downloading a 'zip' file of the source code

## 2.4.1 Building from source

The recommended way to build wxIconSaver is to use tox:

```
$ tox -e build
```

The source and wheel distributions will be in the directory dist.

If you wish, you may also use pep517.build or another PEP 517-compatible build tool.

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<one line to give the program's name and a brief idea of what it does.>

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