
WX_icons_suru

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DOCUMENTATION

1	Installation	3
1.1	Usage	3
1.2	API Reference	3
1.3	Contributing	6
1.3.1	Coding style	6
1.3.2	Automated tests	6
1.3.3	Type Annotations	6
1.3.4	Build documentation locally	6
1.4	Downloading source code	6
1.4.1	Building from source	7
	Python Module Index	9
	Index	11

Suru icon theme for wxPython

This package provides a wxPython wxArtProvider class with icons from the Suru Icon Theme.

Docs	
Tests	
PyPI	
Activity	
Other	

INSTALLATION

from PyPI

from GitHub

```
$ python3 -m pip install wx_icons_suru --user
```

```
$ python3 -m pip install git+https://github.com/domdfcoding/custom_wx_icons_suru@master --user
```

1.1 Usage

To use `wx_icons_suru` in your application:

```
from wx_icons_suru import wxSuruIconTheme

class MyApp(wx.App):
    def OnInit(self):
        wx.ArtProvider.Push(wxSuruIconTheme())
        self.frame = TestFrame(None, wx.ID_ANY)
        self.SetTopWindow(self.frame)
        self.frame.Show()
        return True
```

And then the icons can be accessed through `wx.ArtProvider`:

```
wx.ArtProvider.GetBitmap('document-new', wx.ART_OTHER, wx.Size(48, 48))
```

Any [FreeDesktop Icon Theme Specification](#) name can be used.

Currently the *Client ID* is not used, so just pass `wx.ART_OTHER`.

1.2 API Reference

```
class wx_icons_humanity.HumanityDarkIconTheme(name, comment, directories, inherits=None, scaled_directories=None, hidden=False, example="")
```

```
    classmethod create()
```

 Create an instance of the Humanity Dark Icon Theme

```
    find_icon(icon_name, size, scale, prefer_this_theme=True)
```

 Parameters

- **icon_name** –
- **size** –
- **scale** –
- **prefer_this_theme** – Return an icon from this theme even if it has to be resized, rather than a correctly sized icon from the parent theme. Default `True`.

Returns

Return type

classmethod from_configparser (*theme_index_path*)

Constructs a `IconTheme` from config file.

Parameters **theme_index_path** (`Union[str, PathLike]`) –

Return type `IconTheme`

inherits: `List[str]`

scaled_directories: `List[wx_icons_hicolor.directory.Directory]`

class `wx_icons_humannity.HumannityIconTheme` (*name, comment, directories, inherits=None, scaled_directories=None, hidden=False, example=""*)

classmethod **create** ()

Create an instance of the Humanity Icon Theme

find_icon (*icon_name, size, scale, prefer_this_theme=True*)

Parameters

- **icon_name** (`str`) –
- **size** (`int`) –
- **scale** (`Any`) –
- **prefer_this_theme** (`bool`) – Return an icon from this theme even if it has to be resized, rather than a correctly sized icon from the parent theme. Default `True`.

Returns

Return type

classmethod from_configparser (*theme_index_path*)

Constructs a `IconTheme` from config file.

Parameters **theme_index_path** (`Union[str, PathLike]`) –

Return type `IconTheme`

inherits: `List[str]`

scaled_directories: `List[wx_icons_hicolor.directory.Directory]`

`wx_icons_humannity.version` ()

class `wx_icons_humannity.wxHumannityDarkIconTheme`

CreateBitmap (*id, client, size*)

Returns the requested resource.

Parameters

- **id** – Unique identifier of the bitmap.
- **client** – Identifier of the client (i.e. who is asking for the bitmap). This only serves as a hint.
- **size** – Preferred size of the bitmap. The function may return a bitmap of different dimensions; it will be automatically rescaled to meet client's request.

static HasNativeProvider()

Return type `bool`

static icon2bitmap (*icon*, *size*)

Converts an `Icon` to a `wx.Bitmap`.

Parameters

- **icon** (`Icon`) –
- **size** (`int`) – The desired size of the icon. If the icon isn't scalable the icon is returned in its original size.

Return type `Bitmap`

class `wx_icons_humanity.wxHumanityIconTheme`

CreateBitmap (*id*, *client*, *size*)

Returns the requested resource.

Parameters

- **id** (`Any`) – Unique identifier of the bitmap.
- **client** (`Any`) – Identifier of the client (i.e. who is asking for the bitmap). This only serves as a hint.
- **size** (`Union[Tuple[int], Size]`) – Preferred size of the bitmap. The function may return a bitmap of different dimensions; it will be automatically rescaled to meet client's request.

Return type `Bitmap`

static HasNativeProvider()

Return type `bool`

static icon2bitmap (*icon*, *size*)

Converts an `Icon` to a `wx.Bitmap`.

Parameters

- **icon** (`Icon`) –
- **size** (`int`) – The desired size of the icon. If the icon isn't scalable the icon is returned in its original size.

Return type `Bitmap`

1.3 Contributing

wx_icons_suru 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
```

1.3.1 Coding style

`Yapf` is used for code formatting, and `isort` is used to sort imports.

`yapf` and `isort` can be run manually via `pre-commit`:

```
$ pre-commit run yapf -a
$ pre-commit run isort -a
```

The complete autoformatting suite can be run with `pre-commit`:

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

1.3.2 Automated tests

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

```
$ tox -e py36
```

To run tests for all Python versions, simply run:

```
$ tox
```

1.3.3 Type Annotations

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

```
$ tox -e mypy
```

1.3.4 Build documentation locally

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

```
$ tox -e docs
```

1.4 Downloading source code

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

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

```
$ git clone https://github.com/domdfcoding/custom_wx_icons_suru"
> Cloning into 'custom_wx_icons_suru'...
> 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*

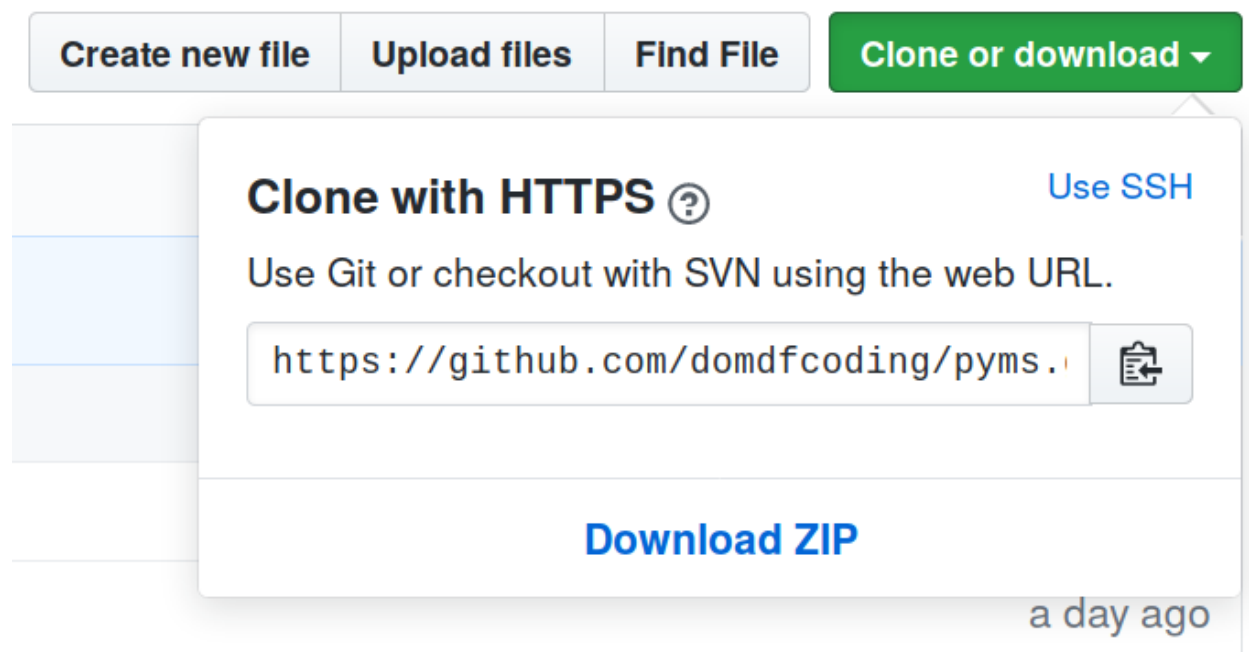


Fig. 1: Downloading a ‘zip’ file of the source code

1.4.1 Building from source

The recommended way to build wx_icons_suru 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.

View the Function Index or browse the Source Code.

[Browse the GitHub Repository](#)

PYTHON MODULE INDEX

W

`wx_icons_humanity`, 3

INDEX

C

`create()` (`wx_icons_humanity.HumanityDarkIconTheme`
class method), 3

`create()` (`wx_icons_humanity.HumanityIconTheme`
class method), 4

`CreateBitmap()` (`wx_icons_humanity.wxHumanityDarkIconTheme`
method), 4

`CreateBitmap()` (`wx_icons_humanity.wxHumanityIconTheme`
method), 5

F

`find_icon()` (`wx_icons_humanity.HumanityDarkIconTheme`
method), 3

`find_icon()` (`wx_icons_humanity.HumanityIconTheme`
method), 4

`from_configparser()`
(`wx_icons_humanity.HumanityDarkIconTheme`
class method), 4

`from_configparser()`
(`wx_icons_humanity.HumanityIconTheme`
class method), 4

H

`HasNativeProvider()`
(`wx_icons_humanity.wxHumanityDarkIconTheme`
static method), 5

`HasNativeProvider()`
(`wx_icons_humanity.wxHumanityIconTheme`
static method), 5

`HumanityDarkIconTheme` (class in
`wx_icons_humanity`), 3

`HumanityIconTheme` (class in `wx_icons_humanity`),
4

I

`icon2bitmap()` (`wx_icons_humanity.wxHumanityDarkIconTheme`
static method), 5

`icon2bitmap()` (`wx_icons_humanity.wxHumanityIconTheme`
static method), 5

`inherits` (`wx_icons_humanity.HumanityDarkIconTheme`
attribute), 4

`inherits` (`wx_icons_humanity.HumanityIconTheme`
attribute), 4

M

module

`wx_icons_humanity`, 3

P

Python Enhancement Proposals
PEP 517, 7

S

scaled_directories

(`wx_icons_humanity.HumanityDarkIconTheme`
attribute), 4

scaled_directories

(`wx_icons_humanity.HumanityIconTheme`
attribute), 4

V

`version()` (in module `wx_icons_humanity`), 4

W

`wx_icons_humanity`
module, 3

`wxHumanityDarkIconTheme` (class in
`wx_icons_humanity`), 4

`wxHumanityIconTheme` (class in
`wx_icons_humanity`), 5