

How to create your own set of icons

Here are three methods to create icons that Web Viewer may understand:

- Icomoon
- Using SVG source
- Using pdf as source

Icomoon

It transforms a set of svg elements in icons with fonts using class.

Protocol

Go to: <https://icomoon.io/app/#/select>

Use the Import Icons button to import your custom set of icons. The set must be in svg format.

Select all your icons and click on the Generate Font F button (on the right bottom of the screen).

Click on the cog button that appeared beside to set your parameters.

Change the name of the set (icomoon by default).

Select Use a class on the CSS SELECTOR parameter.

If you need to, you can change the names of the icons by clicking on it.

Then download the icons.

You now have a set of icons you can use with a class attribute.

Tips:

- Your set of icon must be in svg format
- The name you have defined for each icon will be the name of the class you will have to add to use the icon.
- Be careful that there is no space in the name of your icons.

Transform images in svg element

There is a lot of solution in the web to transform images in svg element.

Examples: <https://image.online-convert.com/convert-to-svg>

<https://www.aconvert.com/image/png-to-svg/>

Transform a pdf file containing all the icons in multiple svg files (one for each icon)

Prerequisites

- Inkscape 0.92.3 or +, download link: <https://inkscape.org/en/release/0.92.3/>
- Python 2.7 or + and Pip: You can find a tutorial to install Python and pip on Windows at this address: <https://github.com/BurntSushi/nfldb/wiki/Python-&-pip-Windows-installation>

Protocol

For each page of the pdf:

Open the page in Inkscape:

Select the number of the page and the **Poppler/Cairo import** in the **Import settings**.

Select all elements and ungroup them until all icons are separate elements. For some icons (like minus) you might need to resize or add a rectangular shape and group them together, so it will really look like a minus and not an entirely black and long icon.

You should now have all the icons separate and you can check if their ID start with "use". If the last action you did on an icon is a group, the ID will start with a "g". You can rename it, so it starts with "use" or don't do anything but one of the following command will change.

If you want to give a specific name to each icon, I would recommend doing it at this point.

For the next step, you need to download the git repository at this address:
<https://github.com/berteh/svg-objects-export>

Unzip it and open a command prompt window.

Go to the svg-objects-export repository and run one of the following commands:

- If you renamed all your icons in inkscape:

```
Python svg-objects-export.py -t plain-svg "[inkscape-icons-document-name].svg"
```

- If you didn't rename your icons and all their ID start by "use":

```
Python svg-objects-export.py -t plain-svg -p "^use" "[inkscape-icons-document-name].svg"
```

- If you didn't rename your icons and some of their ID don't start by "^use" but by *identifier*:

```
Python svg-objects-export.py -t plain-svg -p "^use|^identifier" "[inkscape-icons-document-name].svg"
```

You can add other option in the command:

-d path will save your svg elements in the path folder

-P prefix will change the prefix of the name of the elements (by default the name of the original document)

For more options see the README document in the svg-objects-export folder.

If you have the error “ImportError: No module named lxml” then just run the command “**pip install lxml**”.

You now have one svg file for each icon.