

Iconify Quarto Extension

Quarto Extension

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This extension provides support to free and open source icons provided by Iconify.

Icons render in HTML-based documents and in Typst output (where the SVG is retrieved from the Iconify API and cached locally).

This extension includes support for thousands of icons (including animated icons).

You can browse all of the available sets of icons here: <https://icon-sets.iconify.design/>

Installation

```
quarto add mcanouil/quarto-iconify@4.0.0
```

This will install the extension under the `_extensions` subdirectory.

If you're using version control, you will want to check in this directory.

Usage

To embed an icon, use the `{{< iconify >}}` shortcode.

For convenience, a special `{{< quarto >}}` shortcode is also available to quickly insert the Quarto logo with preset styling.

- Mandatory `<icon>`:

```
{{< iconify <icon> >}}
```

```
{{< iconify <set:icon> >}}
```

Iconify Attributes

Iconify API provides additional attributes: <https://docs.iconify.design/iconify-icon/>.

Currently, this extension supports the following attributes:

```
{{< iconify <set=...> <icon> <size=...> <width=...> <height=...> <flip=...>  
<rotate=...> <title=...> <label=...> <inline=...> <mode=...> <style=...> >}}
```

```
{{< iconify <set:icon> <size=...> <width=...> <height=...> <flip=...> <rotate=...>  
<title=...> <label=...> <inline=...> <mode=...> <style=...> >}}
```

Available Attributes

- `set`: The icon set to use. Default is `octicon` (source: <https://github.com/microsoft/fluentui-emoji>).

- `size`: Sets both width and height. When `size` is defined, `width` and `height` are ignored. See Sizing Icons for available size options.
- `width` and `height`: Set icon dimensions whilst keeping aspect ratio. Not used if `size` is defined.
- `flip`: Flip the icon horizontally, vertically, or both.
- `rotate`: Rotate the icon by a specified angle (e.g., `90deg`, `180deg`).
- `title`: Tooltip text for the icon. Default: `Icon <icon> from <set> Iconify.design set..`
- `label` (i.e., `aria-label`): Accessibility label for screen readers. Default: `Icon <icon> from <set> Iconify.design set..`
- `inline`: Boolean attribute (`true` or `false`). When `true`, the icon is displayed inline with text. Default is `true`.
- `mode`: Rendering mode. Can be `"svg"` (default), `"style"`, `"bg"`, or `"mask"`. See Iconify renderings mode for more details.
- `style`: CSS style string to apply custom styling to the icon.

Setting Default Values

You can define default values for most attributes in the YAML header using the nested structure under `extensions.iconify`:

```
extensions:
  iconify:
    set: "octicon"
    size: "Huge"
    width: "1em"
    height: "1em"
    flip: "horizontal"
    rotate: "90deg"
    inline: true
    mode: "svg"
    style: "color: #b22222;"
```

i Note

The attributes `icon`, `title`, and `label` must be defined in the shortcode itself and cannot have default values in the YAML header.

⚠ Warning

The top-level `iconify` configuration is deprecated but still supported for backward compatibility. A warning will be displayed when using the deprecated format. Please migrate to the new nested structure shown above.

Sizing Icons

This extension provides relative, literal, and LaTeX-style sizing for icons.

When the size is invalid, no size changes are made.

- CSS-style sizing: `{{< iconify fluent-emoji:exploding-head size=42px >}}`.
- Relative sizing: `{{< iconify fluent-emoji:exploding-head size=2xl >}}`.

Relative Sizing	Font Size	Equivalent in Pixels
2xs	0.625em	10px
xs	0.75em	12px
sm	0.875em	14px
lg	1.25em	20px
xl	1.5em	24px
2xl	2em	32px

- Literal sizing: `{{< iconify fluent-emoji:exploding-head size=5x >}}`.

Literal Sizing	Font Size
1x	1em
2x	2em
3x	3em
4x	4em
5x	5em
6x	6em
7x	7em
8x	8em
9x	9em
10x	10em

- LaTeX-style sizing: `{{< iconify fluent-emoji:exploding-head size=Huge >}}`.

Sizing Command	Font Size (HTML)
<code>tiny (= \tiny)</code>	0.5em
<code>scriptsize (= \scriptsize)</code>	0.7em
<code>footnotesize (= \footnotesize)</code>	0.8em
<code>small (= \small)</code>	0.9em
<code>normalsize (= \normalsize)</code>	1em
<code>large (= \large)</code>	1.25em
<code>Large (= \Large)</code>	1.5em
<code>LARGE (= \LARGE)</code>	1.75em
<code>huge (= \huge)</code>	2em
<code>Huge (= \Huge)</code>	2.5em


- `width` or `height` can be set to define icon's property whilst keeping aspect ratio.

i Note

width and height are not set if size was defined.

Examples

The following table demonstrates various ways to use the iconify shortcode, including the special `{{< quarto >}}` shortcode for the Quarto logo:

Shortcode	Icon
<code>{{< iconify copilot-24 >}}</code>	
<code>{{< iconify fluent-emoji exploding-head >}}</code>	
<code>{{< iconify fluent-emoji:exploding-head >}}</code>	
<code>{{< iconify copilot-24 size=2xl >}}</code>	
<code>{{< iconify copilot-24 size=5x rotate=180deg >}}</code>	
<code>{{< iconify copilot-24 size=Huge >}}</code>	
<code>{{< iconify fluent-emoji-high-contrast 1st-place-medal >}}</code>	
<code>{{< iconify twemoji 1st-place-medal >}}</code>	
<code>{{< iconify line-md loading-alt-loop >}}</code>	
<code>{{< iconify fa6-brands apple width=50px height=10px rotate=90deg flip=vertical >}}</code>	
<code>{{< iconify simple-icons:quarto style="color:#74aadb;" >}}</code>	
<code>{{< quarto >}}</code>	

Fallback

The fallback attribute shows text or an emoji when the icon cannot be loaded (unknown name, offline, or CDN unreachable).

Shortcode	Icon
<code>{{< iconify fluent-emoji no-such-icon-9999 fallback="🤪" >}}</code>	
<code>{{< iconify fluent-emoji also-missing :exploding-head: fallback=":exploding-head:" >}}</code>	<code>:exploding-head:</code>
<code>{{< iconify fluent-emoji exploding-head fallback="(missing)" >}}</code>	