

# Icons

Creating a Theme for Tiki? See <https://themes.tiki.org/Icons>

## PHP

Try to avoid direct inclusion of any image tags in PHP including icons. See the Templates below:

## Templates

There is a Smarty function which helps to insert icons in the code:

`lib/smarty_tiki/function.icon.php`

It will display a Tiki icon, using theme icons if they exist.


## Tiki 14 - Icon sets

### Why?

The goal of having icon sets is to

- make it easy to change icons in Tiki
- keep icon usage in smarty tpl files simple
- move icon customization out of the smarty tpl files
- more focus in having a centralized, future proof way of handling icons in Tiki

## How icons work from Tiki14

- Tiki remains to have one central function to manage icons, which is the existing **icon** smarty\_tiki function (/lib/smarty\_tiki/function.icon.php)
- To include an icon in a smarty tpl file is use the icon smarty\_tiki function in the tpl files like this: 
- Icons are referenced by a descriptive name in tpl-s (eg: "save", "delete", etc). Icon naming in the tpl files is focusing on functionality (eg: save, edit, delete, etc).
- Icons are part of an icon set. Icon sets are defined using a multidimensional array in a php file that provide settings and definitions for the icon files.
- Tiki ships with a default icon set (themes/base\_files/iconsets/default.php), which is the fallback for all other icon sets. This file should not be modified for local customisations. The default iconset uses font-awesome fonts.
  - See all defined names and the icons [Default Iconset - Font Awesome](#)
- Cascading iconset approach (similar to css): there is a base (default) icon set, other icon sets need to define only what should be different than the default icon set
- File name convention for icon sets: nothing special, it just have to be distinct than the existing ones in the

themes/base\_files/iconsets/ folder

- In the Look&Feel administration you can choose from the icon sets shipped with Tiki.

- If you want to contribute an icon set to Tiki, put it to the themes/base\_files/iconsets/ folder with a distinct name eg: mybelovediconset.php, famfam.php etc.

## Specification

```
return array(
    'name' => tr('Default (Font-awesome)'), // Mandatory, will be displayed as
    Icon set option in the Look&Feel admin UI
    'description' => tr('The default system icon set using Font-awesome fonts'),
    // TODO display as Icon set description in the Look&Feel admin UI
    'tag' => 'span', // The default html tag for the icons in the icon set.
    'prepend' => 'fa fa-',
    'append' => ' fa-fw',
    'icons' => array(
        /* This is the definition of an icon in the icon set if it's an
        "alias" to one of the default icons.
        * The key must be unique, it is the "name" parameter at the icon
        function,
        * so eg: {icon name="actions"}
        * will find 'save' in the array and apply the specified configuration
        */

        'actions' => array(
            'id' => 'play-circle', // id to match the defaults defined
            below
        ),
        'add' => array(
            'id' => 'plus-circle',
        ),
    );
}
```

## Samples

### Glyphicons iconset

```
function iconset_glyphicons()
{
    return array(
        'name' => tr('Glyphicons'),
        'description' => tr('Glyphicon focused iconset, see
http://getbootstrap.com/components/'),
        'tag' => 'span',
        'prepend' => 'glyphicon glyphicon-',
        'append' => '',
        'icons' => array(
            'actions' => array(
                'id' => 'play-circle',
            )
        )
    );
}
```

```

        ),
        'add' => array(
            'id' => 'plus-sign',
        ),
    ),
    'defaults' => array(
        'adjust',
        'align-center',
    );
}

```

## Legacy iconset (mainly famfamfam icons)

```

function iconset_legacy()
{
    return array(
        'name' => tr('Legacy (pre Tiki14) icons'),
        'description' => tr('Legacy (pre Tiki14) icons, mainly using famfamfam
images'),
        'tag' => 'img',
        'prepend' => 'img/icons/',
        'append' => '.png',
        'icons' => array(
            'actions' => array(
                'id' => 'application_form',
            ),
            'add' => array(
                'id' => 'large/icon-configuration',
            ),
            'defaults' => '',
        );
}

```

## Theme specific icon set

CODE()}

{CODE}

## Customization

Params will be used as attributes for a HTML tag (e.g. class, etc.), except for special params starting with '\_':

- -\_id: short name (i.e. 'page\_edit') or relative file path (i.e. 'img/icons/page\_edit.png'). [required](#)
- -\_type: type of URL to use (e.g. 'absolute\_uri', 'absolute\_path'). Defaults to a relative URL.
- -\_tag: type of HTML tag to use (e.g. 'img', 'input\_image'). Defaults to 'img' tag.
- -\_notag: if set to 'y', will only return the URL (which also handles theme icons).
- -\_menu\_text: if set to 'y', will use the 'title' argument as text after the icon and place the whole content between div tags with a 'icon\_menu' class (not compatible with '\_notag' param set to 'y').
- -\_menu\_icon: if set to 'n', will not show icon image when \_menu\_text is 'y'.

- - `_confirm`: text to use in a popup requesting the user to confirm its action (yet only available with javascript)
- - `_defaultdir`: directory to use when the `_id` param does not include the path
- - `_extension`: Filename extension - default 'png'

When introducing new icon in .tpl file, developers should always use this icon Smarty syntax:

```
{icon _id=error style="vertical-align: middle"}
```

The example above means it will create icon from the `img/icons/error.png` file and add a style attribute to it.

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There are glyphicons (font vector format icons) being introduced now in trunk with Bootstrap instead of bitmap (image based) icons.

For example you can have "OK" icon rendered by this HTML code:

```
<span class="glyphicon glyphicon-ok"></span>
```

## References

<http://www.kelasabil.com/en/library/equivalent-glyphicons-font-awesome-cheatsheet-1> Equivalent Glyphicons - Font Awesome Cheatsheet - 1

<http://www.kelasabil.com/en/library/equivalent-glyphicons-font-awesome-cheatsheet-2> Equivalent Glyphicons - Font Awesome Cheatsheet - 2

<http://fontawesome.github.io/Font-Awesome/icons/> The complete set of 479 icons in Font Awesome 4.2.0

<http://tagliala.github.io/vectoriconsroundup/> A side-by-side comparison between popular icon fonts made for Bootstrap.

## Related

Also see [Icon Fonts at Themes site](#)