

Wordcamp Vancouver Dev 2014

HOW TO BUILD A CUSTOM WIDGET

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so
WHAT
is a
WIDGET?

WEB WIDGET:

**A SMALL APPLICATION WITH LIMITED
FUNCTIONALITY THAT CAN BE INSTALLED AND
EXECUTED WITHIN A WEB PAGE BY AN END USER.**

so
WHAT DOES THIS
look **LIKE**
in **WORDPRESS?**

WIDGETS

in your backend

The screenshot shows the WordPress admin dashboard with the 'Appearance' menu selected. The 'Widgets' sub-menu is active, displaying a list of available widgets and their settings. The 'Available Widgets' section lists 16 widgets, each with a title and a brief description. The 'Primary Sidebar' section shows the current widget configuration for the main sidebar, including Search, Recent Posts, Recent Comments, Archives, Categories, and Meta. The 'Content Sidebar' and 'Footer Widget Area' sections are currently empty. The 'Inactive Widgets' section is also empty.

Available Widgets

To activate a widget drag it to a sidebar or click on it. To deactivate a widget and delete its settings, drag it back.

- Archives**
A monthly archive of your site's Posts.
- Calendar**
A calendar of your site's Posts.
- Categories**
A list or dropdown of categories.
- Custom Menu**
Add a custom menu to your sidebar.
- Meta**
Login, RSS, & WordPress.org links.
- Pages**
A list of your site's Pages.
- Recent Comments**
Your site's most recent comments.
- Recent Posts**
Your site's most recent Posts.
- RSS**
Entries from any RSS or Atom feed.
- Search**
A search form for your site.
- Tag Cloud**
A cloud of your most used tags.
- Text**
Arbitrary text or HTML.
- Twenty Fourteen Ephemera**
Use this widget to list your recent Aside, Quote, Video, Audio, Image, Gallery, and Link posts.

Inactive Widgets

Drag widgets here to remove them from the sidebar but keep their settings.

Thank you for creating with [WordPress](#). Version 3.9.1

WIDGETS

on your frontend

Wordpress Site

Just another WordPress site

[HOME](#) [SAMPLE PAGE](#)

Hello world!

[1 Reply](#)

Welcome to WordPress. This is your first post. Edit or delete it, then start blogging!

This entry was posted in [Uncategorized](#) on [July 26, 2014](#). [Edit](#)

RECENT POSTS

[Hello world!](#)

RECENT COMMENTS

[Mr WordPress](#) on [Hello world!](#)

ARCHIVES

[July 2014](#)

CATEGORIES

[Uncategorized](#)

META

[Site Admin](#)

[Log out](#)

[Entries RSS](#)

[Comments RSS](#)

[WordPress.org](#)

Tweets

 Follow



A Prettier Web

@aprettierweb

1h

17 Insanely Actionable List Building Strategies To Generate Subscribers Today buff.ly/1sGSmu8 via @backlinko pic.twitter.com/nJsSxi5j3A

BACKLINKO 

308
Tweet
76
Like
131
8+1

Case Study – How I Increased Conversion (Without)

by Brian Dean | Last updated

If you want to grow your business, there's one thing you need to do.

Traditional bribes like coupons and courses don't have the same impact that they used to.

So...

What CAN you offer over their email address?


GET FIRST DIBS ON GIFTS & ENCOURAGEMENT I ONLY SHARE ON EMAIL

Email Address

SIGN UP



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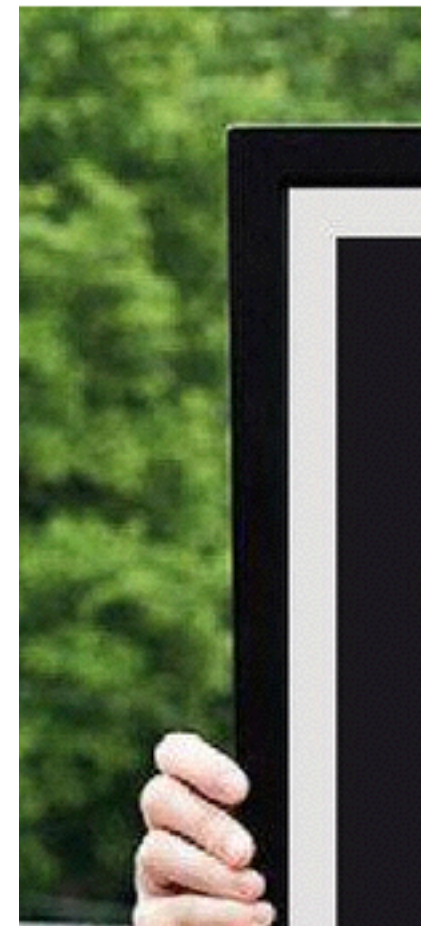
 Like You like this.



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Yesterday

Finding some inspiration (print here: <https://www.etsy.com/listing/1390/motivational-quotes-ypography-printable>)



Facebook social post



hello, I'M EMILY

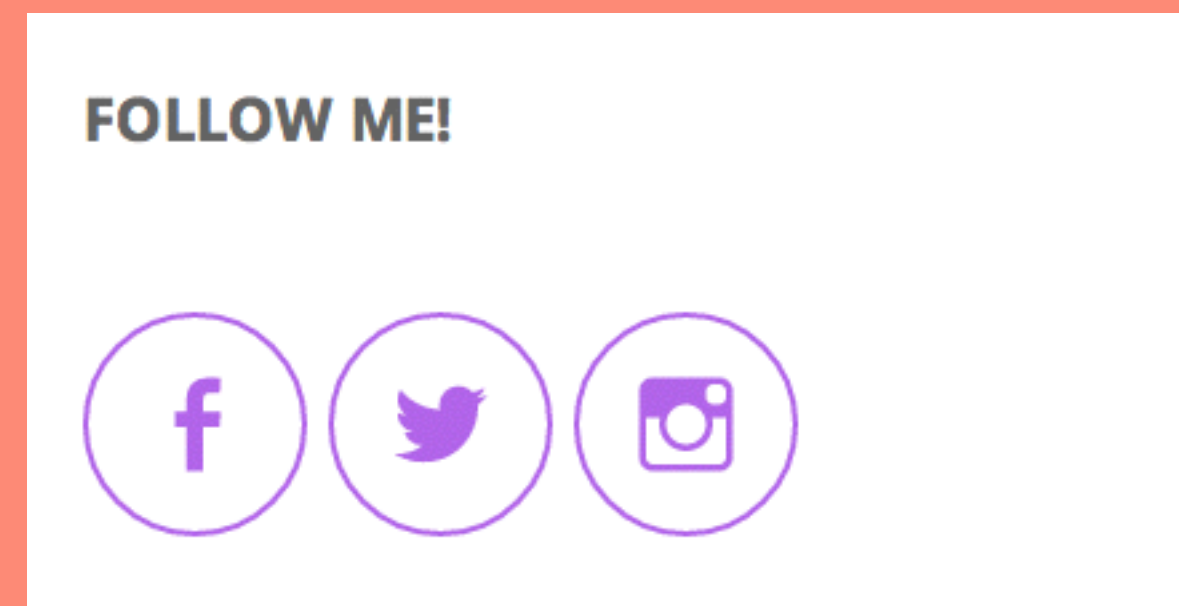
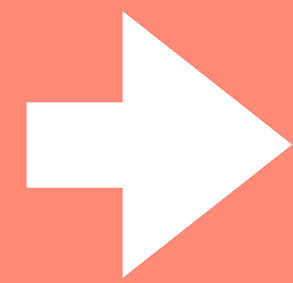


I'm a designer, wife and mama to sweet Brady Ley. My passion is to make what matters happen and to help other women do the same. It's all about a little simplicity and a whole lot of joy.



Let's look at an example...

A SOCIAL BUTTONS WIDGET



WIDGET AS A PLUGIN

1. **CREATE A FOLDER**
2. **COPY IT TO THE PLUGINS DIRECTORY**
3. **CREATE A PHP FILE WITH THE SAME NAME**

WIDGET FILES

`wp-content/plugins/social-buttons-widget`
`social-buttons-widget.php`

WP_WIDGET

```
class My_Widget extends WP_Widget {  
  
    public function __construct() {  
        // widget actual processes  
    }  
  
    public function widget( $args, $instance ) {  
        // outputs the content of the widget  
    }  
  
    public function form( $instance ) {  
        // outputs the options form on admin  
    }  
  
    public function update( $new_instance, $old_instance ) {  
        // processes widget options to be saved  
    }  
}
```

[HTTP://CODEX.WORDPRESS.ORG/WIDGETS_API](http://codex.wordpress.org/Widgets_API)

so

LET'S

get

STARTED!

CODE FILES

[HTTP://KARLIKDESIGN.COM/WORDCAMP2014](http://karlikdesign.com/wordcamp2014)

STEP 01:

LET'S START WITH SOME BASIC CODE

STEP 02:

LET'S USE THE **GENERICONS** FONT

[HTTP://GENERICONS.COM/](http://genericons.com/)

STEP 03:

LET'S SEPARATE OUR HTML & CSS

STEP 05:

LET'S ADD SOME COLOUR!

FINALLY, STEP 06:

LET'S ADD MORE STYLES AND ICONS

so

HOW CAN YOU

include widgets in a

THEME?

WIDGET IN A THEME

1. COPY WIDGET FOLDER TO YOUR THEME DIRECTORY
2. COPY WIDGET MAIN CODE TO FUNCTIONS.PHP
3. USE `GET_TEMPLATE_DIRECTORY_URI()`

how can you

CALL

a widget in your

THEME?

DISPLAY A WIDGET

```
<?php the_widget( $widget, $instance, $args ); ?>
```

ex:

```
<?php the_widget( 'WP_Widget_Categories', 'dropdown=1&count=1' ); ?>
```

THANKS!