

Cómo crear un tema de bloques desde cero

WordPress Terrassa Meetup
16/05/2023



**Fran Rosa,
WordPress Developer**

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WordPress Developer**

**Crear un tema
basado en texto (sin imágenes),
visualmente atractivo
y accesible**

I write as a newcomer about **web development**, and **WordPress** full site editing

I want to share my point of view on making it as a developer, and what I learn from working with more seasoned developers and fellow neophytes.

Most recent post:

[The mistake of superficial WordPress development and design](#)

[Read more posts](#)

I usually learn by doing, and I will share some projects I am working on. This way we may learn more together.

I work as a **web developer**, and my goal is to make products **honest**, **accessible**, and **inclusive**

I have been building web and digital projects for over twenty years as a designer, with a special focus on frontend. I now work as a developer at [Volcanic Internet](#) as part of the WordPress team.

Being in a developer position for the first time has given me a whole new perspective on my career goals that may be interesting for other newcomers or people that want to become developers.

I can focus almost entirely on WordPress, which is a great opportunity to learn about full site editing, and get more involved with the community. Locally, I have attended events organised by [WordPress Barcelona](#) and [WordPress Terrassa](#).

I also volunteer at [Gais Positius](#), an LGBT+ non-profit focused on health doing peer counselling, and I advocate for diversity in the tech industry.



22 August

Areas and alternative template parts in block themes

Template parts are not new to block themes. In classic themes, there were partial templates, that do not include the entire page and are reusable.

However, block themes' template parts are not limited to a set of predefined templates. To create a new one we just have to:

1. Add a template file in the `parts` folder
2. Include it in a template, post or page using the `template-part` block

We can also add them to our theme JSON, so it will appear as an option in the editor. To do this, we just need to give our template part a name, a slug — matching the file name —, and the area in which it will be displayed.

For example, adding a header to our theme's JSON can look like this:

```
"templateParts": [  
  {  
    "name": "header",  
    "title": "Header",  
    "area": "header"  
  }  
]
```

The area attribute may not seem very useful, as it has only three

NewDev WordPress Block Theme

This is the theme used on this very site. It is my first attempt at making a block theme for WordPress, so it is in a very early stage.

You are free to download and use it as you please, but keep in mind that it is in no way ready to be used in production as is, it is still just in an experimental stage.

My goals in the short term for this theme are just to keep adding what I need for this site, and to improve it as I learn.

Goals like adding new features and different customisation options, or making it ready to be distributed as a finished working theme, are not a priority. It will eventually be a theme available for everyone to use, just do not hold your breath.

However, if there is anything you would like to see added, or changed in the theme, feel free to create an issue on GitHub so I — or anyone else — can work on it.

[View on GitHub](#)

Temas clásicos

vs.

temas de bloques

PHP



HTML

PHP



HTML



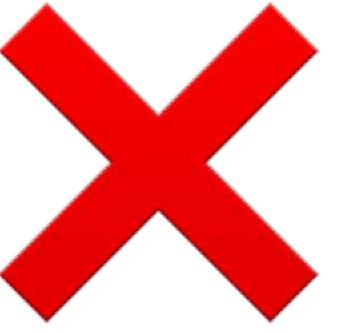
**Template tags
(the_title),
condicionales
(if/else),
loop (posts),
widgets,
menús**



**Bloques
(editor)**

**Personalizar,
custom CSS** → **Opciones
(editor de sitio)**

**Localizar
cadenas de texto
(traducibles)**



Conceptos

**Editor de bloques
(Gutenberg)**

**Editor de sitio
(Full Site Editing)**



**Editor de sitio
(Full Site Editing)**

Crear un tema

Plantilla:
index.php

Estilos:
style.css

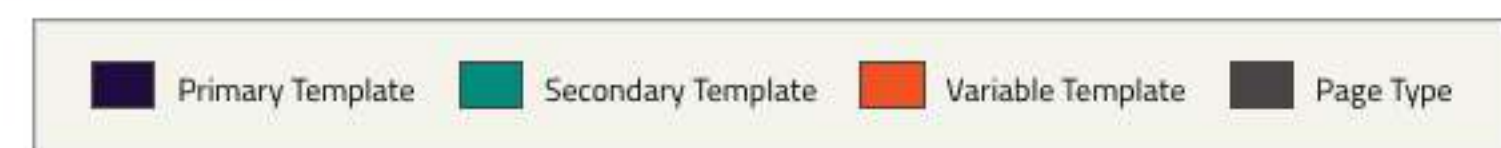
Plantilla:
~~**index.php**~~
index.html

Estilos:
style.css

Plantillas



For oEmbeds: `embed-{post-type}-{post_format}.php` → `embed-{post-type}.php` → `embed.php` → `wp-includes/theme-compat/embed.php`



**templates/
index.html**

templates/
index.html

page-home.html

home.html

single.html

archive-project.html

single-project.html

page-about.html

home

blog

post

proyectos

proyecto

about

**parts/
header.html
footer.html**

**parts/
header-1.html
header-2.html
header-3.html
header-4.html
footer.html**

HTML + Bloques

```
<!-- wp:bloque -->  
    <etiqueta>contenido</etiqueta>  
<!-- /wp:bloque -->  
  
<!-- wp:bloque /-->
```

HTML + Bloques


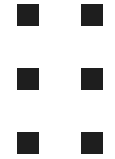






```
<!-- wp:bloque {"atributo": "valor"} -->
```

```
    <etiqueta>contenido</etiqueta>
```

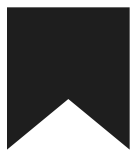
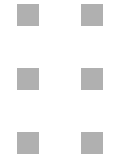







```
<!-- /wp:bloque -->
```

```
<!-- wp:bloque {"uno": 1, "dos": true} /-->
```


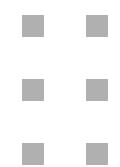







```
<!-- wp:heading { "level": 2, "align": "wide",  
    "layout" : { "inherit": true } } -->  
<h2 class="wp-block-heading alignwide">  
    Texto  
</h2>  
<!-- /wp:heading>
```


  	 H2 	B I  	
---	--	---	---


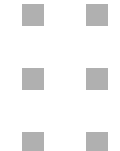







```
<!-- wp:heading { "level": 2, "align": "wide",  
    "layout" : { "inherit": true } } -->  
<h2 class="wp-block-heading alignwide">  
    Texto  
</h2>  
<!-- /wp:heading>
```

  	 H2 	B   	
---	--	--	---


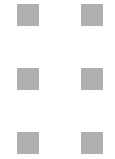







```
<!-- wp:heading { "level": 2, "align": "wide",  
    "layout" : { "inherit": true } } -->  
  <h2 class="wp-block-heading alignwide">  
    Texto  
  </h2>  
<!-- /wp:heading>
```

  	 H2 	B   	
---	--	--	---

```
<!-- wp:heading { "level": 2, "align": "wide",  
    "layout" : { "inherit": true } } -->  
<h2 class="wp-block-heading alignwide">  
    Texto  
</h2>  
<!-- /wp:heading>
```

  	 H2 	B   	
---	--	--	---

```
<!-- wp:heading { "level": 2, "align": "wide",  
    "layout" : { "inherit": true } } -->  
  <h2 class="wp-block-heading alignwide">  
    Texto  
  </h2>  
<!-- /wp:heading>
```

  	 H2 	B   	
---	--	--	---

```
<!-- wp:heading { "level": 2, "align": "wide",  
  "layout" : { "inherit": true } } -->  
  <h2 class="wp-block-heading alignwide">  
    Texto  
  </h2>  
<!-- /wp:heading>
```



Plantilla:
~~**index.php**~~
index.html

Estilos:
style.css

Plantilla:
~~index.php~~
index.html

Estilos:
style.css
theme.json

Estilos

style.css

/* Theme Name:
Theme URI:
Author:
Author URI:
Description:
Tags:
Version:
License:
License URI:
Text Domain:

***/**

theme.json

theme.json

```
{
```

```
  "version": 2
```

```
}
```

theme.json

```
{
```

```
  "version": 2,
```

```
  "settings": { }
```

```
}
```

theme.json

```
"settings": {  
  "border": { },  
  "color": { },  
  "layout": { },  
  "typography": { }  
}
```

Activar/desactivar opciones


```
"settings": {  
  "border": {  
    "radius": false  
  }  
}
```

Activar/desactivar opciones

Post


Block

×


 Image


Insert an image to make a visual statement.

Border




0px






RADIUS

0px






Post


Block

×


 Image


Insert an image to make a visual statement.

Border



0px





Añadir/eliminar valores por defecto

```
"settings": {  
  "color": {  
    "defaultPalette": false,  
    "palette": []  
  }  
}
```



```
"settings": {  
  "color": {  
    "defaultPalette": false,  
    "palette": [{  
      "slug": "accent-home",  
      "color": "rgb(141,228,255)",  
      "name": "Accent (Home)"  
    }]  
  }  
}
```

```
"settings": {  
  "color": {  
    "defaultPalette": false,  
    "palette": [{  
      "slug": "accent-home",  
      "color": "rgb(141,228,255)",  
      "name": "Accent (Home)"  
    }]  
  }  
}  
  
var(--wp--preset--color--accent-home)
```

Añadir/eliminar valores por defecto

Text

RGB(0,0,0)

THEME

Post

Block

×

Paragraph

Start with the basic building block of all narrative.

Color

Text

Background

Link

theme.json

```
"settings": {  
  "blocks": { }  
}
```

theme.json

```
"settings": {  
  "blocks": {  
    "core/button": {  
      "border": {  
        "radius": false  
      }  
    }  
  }  
}
```

theme.json

```
"settings": {  
  "custom": { }  
}
```

theme.json

```
"settings": {  
  "custom": {  
    "grid": {  
      "base": "8px"  
    }  
  }  
}
```

theme.json

```
"settings": {  
  "custom": {  
    "grid": {  
      "base": "8px"  
    }  
  }  
}  
var(--wp--custom--grid--base)
```



```
"settings": {  
  "typography": {  
    "fontSizes": [  
      "name": "Normal",  
      "slug": "normal",  
      "size":  
        "calc(var(--wp--custom--grid--base)*2)",  
    ]  
  }  
}  
  
var(--wp--preset--font-size--normal)
```

Tamaños de texto (fontSizes)

normal: 8px * 2 = 16px

big: 8px * 3 = 24px

huge: 8px * 4 = 32px


mega: 8px * 8 = 64px

Tamaños de texto (fontSizes)

Post

Block

×



Paragraph


Start with the basic building block of all narrative.

Typography

⋮

SIZE

NORMAL



S

M

L

XL

theme.json

```
{
```

```
  "version": 2,
```

```
  "settings": { },
```

```
  "styles": { }
```

```
}
```

theme.json

```
{  
  "version": 2,  
  "settings": { },  
  "styles": { ~CSS }  
}
```

theme.json

```
"styles": {  
  "border": { },  
  "color": { },  
  "filter": { },  
  "spacing": { },  
  "typography": { }  
}
```

```
"styles": {  
  "elements": {  
    "button": { },  
    "caption": { },  
    "cite": { },  
    "heading": { },  
    "h1/h2/h3/h4/h5/h6": { },  
    "link": { }  
  }  
}
```

```
"styles": {  
  "color": {  
    "text": "black"  
  }  
  "elements": {  
    "link": {  
      "color": {  
        "text": "blue"  
      }  
    }  
  }  
}
```



```
"styles": {  
  "blocks": { }  
}
```

```
"styles": {  
  "blocks": {  
    "color": { }  
    "elements": {  
      "link": {  
        "color": { }  
      }  
    }  
  }  
}
```

```
"styles": {  
  "color": { },  
  "elements": { "link": { "color": { } } },  
  "blocks": {  
    "core/navigation": {  
      "color": { },  
      "elements": { "link": { "color": { } } },  
    }  
  }  
}
```

```
"styles": {  
  "color": { },  
  "elements": { "link": { "color": { } } },  
  "blocks": {  
    "core/navigation": {  
      "color": { },  
      "elements": { "link": { "color": { } } },  
    }  
  }  
}
```

Sólo variaciones existentes, no se pueden registrar nuevas

```
"blocks": {  
  "core/image": {  
    "variations": {  
      "rounded": { ... }  
    }  
  }  
}
```

```
"styles": {  
  "blocks": {  
    "core/heading": {  
      ...  
    }  
  }  
}
```

```
<style id="wp-block-heading-inline-css">  
  ...  
</style>
```

- ▶ <style id="wp-block-navigation-inline-css">⋮ </style>
- ▶ <style id="wp-block-columns-inline-css">⋮ </style>
 <style id="wp-block-group-inline-css"> .wp-block-group{box-sizing:bord
- ▶ <style id="wp-block-heading-inline-css">⋮ </style>
- ▶ <style id="wp-block-paragraph-inline-css">⋮ </style>
 <style id="franrosa-pinned-post-style-inline-css"> </style>
- ▶ <style id="wp-block-button-inline-css">⋮ </style>
- ▶ <style id="wp-block-buttons-inline-css">⋮ </style>
 <style id="wp-block-spacer-inline-css"> .wp-block-spacer{clear:both} <
- <style id="wp-block-post-content-inline-css"> .wp-block-post-content{p
- </style>
- ▶ <style id="wp-block-library-inline-css">⋮ </style>
- ▶ <style id="global-styles-inline-css">⋮ </style>
- ▶ <style id="core-block-supports-inline-css">⋮ </style>
- ▶ <style id="wp-webfonts-inline-css">⋮ </style>
 <link rel="stylesheet" id="newdev-style-css" href="http://franrosa.com

▶ <style id="wp-block-navigation-inline-css">⋮</style>

▶ <style id="wp-bl

<style id="wp-bloup{box-sizing:bord

▶ <style id="wp-bl

▶ <style id="wp-bl

<style id="franro</style>

▶ <style id="wp-bl

▶ <style id="wp-bl

<style id="wp-blacer{clear:both} <

<style id="wp-bllock-post-content{p

</style>

▶ <style id="wp-bl

▶ <style id="globa

▶ <style id="core-

▶ <style id="wp-web</style>

<link rel="stylesheet" id="newdev-style-css" href="http://franrosa.com



style.css

CSS?

style.css

New Developments

by Fran Rosa

CSS?

theme.json

```
{  
  "version": 2,  
  "settings": { },  
  "styles": { },  
  "templateParts": [ ]  
}
```

theme.json

```
"templateParts": [{  
    "name": "footer",    parts/footer.html  
    "title": "Footer",  
    "area": "footer"    header, footer  
}]
```

New Developments

by Fran Rosa

[Blog](#)

[Projects](#)

[About](#)

¿Qué pasa si...

New Developments

by Fran Rosa

Blog

Projects

About

...el menú tiene más opciones?

...no hay menú?

...si el título es más largo?

...si el tagline es más largo?

New Developments

by Fran Rosa

Blog

Projects

About

Title of this WordPress site

Tagline of the site, ie. Just another WordPress site.

Home

About us

Products

Contact us

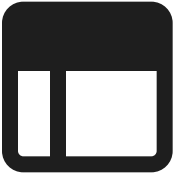
New Developments

by Fran Rosa

Title of this WordPress site

Tagline of the site, ie. Just another WordPress site.


```
"templateParts": [{  
  "name": "header-side-w-menu",  
  "title": "Header side with menu",  
  "area": "header"  
},  
{ "name": "header-side" ... },  
{ "name": "header-full-w-menu" ... },  
{ "name": "header-full" ... }]
```

 Header side with menu <div> <div>⋮</div> <div> <div>^</div> <div>v</div> </div> </div>	Replace	⋮
--	---------	---

```

“templateParts”: [{
  “name”: “header-side-w-menu”,
  “title”: “Header side with menu”,
  “area”: “header”
},
{ “name”: “header-side” ... },
{ “name”: “header-full-w-menu” ... },
{ “name”: “header-full” ... }]

```

Choose a header



Existing template parts

Tagline of the site, ie. Just another WordPress site.

Home

About us

Products

Contact us

Header full with menu

Title of this WordPress site

Tagline of the site, ie. Just another WordPress site.

Header full

Site's Title

Just another WordPress site.

Header side

theme.json

```
{  
  "version": 2,  
  "settings": { },  
  "styles": { },  
  "templateParts": [ ],  
  "customTemplates": [ ],  
  "patterns": [ ]  
}
```

```
"customTemplates": [ {  
    "name": "page-contact",  
    "title": "Contact",  
    "postTypes": [ "page" ]    (opcional)  
  } ]
```

```
"patterns": [  
    "short-text-surrounded-by-round-images",  
    "partner-logos"            (wordpress.org/patterns)  
  ]
```



PHP

functions.php

functions.php

wp_enqueue_style ()

wp_enqueue_block_style ()

patterns/

```
register_block_pattern(  
    'my-plugin/my-awesome-pattern',  
    array(  
        'title' => __('Two buttons', 'my-plugin'),  
        'description' => _x('Two horizontal buttons,  
the left button is filled in, and the right button  
is outlined.', 'Block pattern description', 'my-  
plugin' ),  
        'content' => "..."  
    )  
);
```

```
register_block_pattern(  
    'my-plugin/my-awesome-pattern',  
    array(  
        'title' => __('Two buttons', 'my-plugin'),  
        'description' => _x('Two horizontal buttons,  
the left button is filled in, and the right button  
is outlined.', 'Block pattern description', 'my-  
plugin'),  
        'content' => "..."  
    )  
);
```

**Localizar
cadenas de texto
(traducibles)**



```
register_block_pattern(  
    'my-plugin/my-awesome-pattern',  
    array(  
        'title' => __('Two buttons', 'my-plugin'),  
        'description' => _x('Two horizontal buttons,  
the left button is filled in, and the right button  
is outlined.', 'Block pattern description', 'my-  
plugin'),  
        'content' => "..."  
        HTML + Bloques + PHP  
    )  
);
```

Preferencia

~~WordPress~~ Tema

~~WordPress~~

~~Tema~~

Tema hijo

~~WordPress~~

~~Tema~~

~~Tema hijo~~

Cambios usuario
(base de datos)

CREATE
BLOCK
THEME



Create Block Theme

By WordPress.org

Download

Create Block Theme plugin

Conclusión





**Editor de sitio
(Full Site Editing)**

¿Dudas?

Enlaces

Mi blog:
franrosa.com

Tema:
github.com/franrosa/newdev

Plugin Create Block Theme:
wordpress.org/plugins/create-block-theme/