Theme.json Version 2 Reference

- JSON Schema
- Settings
  - appearanceTools
  - useRootPaddingAwareAlignments
  - border
  - shadow
  - color
  - background
  - dimensions
  - layout
  - lightbox
  - position
  - spacing
  - typography
  - custom
- Styles
  - border
  - color
  - dimensions
  - spacing
  - typography
  - filter
  - shadow
  - outline
  - css
- customTemplates

- templateParts
- Patterns

> This is the specification for **version 2** of `theme.json`. This version works with WordPress 5.9 or later.

> Theme.json version 3 has been released with WordPress 6.6. WordPress will continue to support theme.json version 2. However new features will only be added to [new versions](https://developer.wordpress.org/block-editor/reference-guides/theme-json-reference/theme-json-living/).
>
> When you are ready to upgrade, see the [theme.json migration guide](https://developer.wordpress.org/block-editor/reference-guides/theme-json-reference/theme-json-migrations/#migrating-from-v2-to-v3) for details on updating to the latest version.

This reference guide lists the settings and style properties defined in the `theme.json` schema. See the theme.json how to guide for examples and guidance on how to use the `theme.json` file in your theme.

JSON Schema

This documentation was generated from the JSON schema for theme.json.

The last schema for version 2 is available at `https://schemas.wp.org/wp/6.5/theme.json`.

Theme.json schemas for each WordPress version are available at `https://schemas.wp.org/wp/{{version}}/theme.json`. For example a schema for WordPress 5.9 is available at `https://schemas.wp.org/wp/5.9/theme.json`.

See Developing with theme.json for how to use the JSON schema in your editor.

Settings

appearanceTools

Setting that enables the following UI tools:

- background: backgroundImage, backgroundSize
- border: color, radius, style, width
- color: link
- dimensions: aspectRatio, minHeight
- position: sticky
- spacing: blockGap, margin, padding
- typography: lineHeight

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useRootPaddingAwareAlignments

Enables root padding (the values from `styles.spacing.padding`) to be applied to the contents of full-width blocks instead of the root block.

Please note that when using this setting, `styles.spacing.padding` should always be set as an object with `top`, `right`, `bottom`, `left` values declared separately.

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border

Settings related to borders.

Property	Type	Default	Props
color	boolean	false	
radius	boolean	false	
style	boolean	false	
width	boolean	false	

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shadow

Settings related to shadows.

Property	Type	Default	Props
defaultPresets	boolean	true	
presets	array		name, shadow, slug

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color

Settings related to colors.

Property	Type	Default	Props
background	boolean	true	
custom	boolean	true	
customDuotone	boolean	true	
customGradient	boolean	true	
defaultDuotone	boolean	true	
defaultGradients	boolean	true	
defaultPalette	boolean	true	
duotone	array		colors, name, slug
gradients	array		gradient, name, slug
link	boolean	false	
palette	array		color, name, slug
text	boolean	true	
heading	boolean	true	
button	boolean	true	

background

Settings related to background.

Property	Type	Default	Props
backgroundImage	boolean	false	

dimensions

Settings related to dimensions.

Property	Type	Default	Props
aspectRatio	boolean	false	

Property	Type	Default	Props
minHeight	boolean	false	

layout

Settings related to layout.

Property	Type	Default	Props
contentSize	string		
wideSize	string		
allowEditing	boolean	true	
allowCustomContentAndWideSize	boolean	true	

lightbox

Settings related to the lightbox.

Property	Type	Default	Props
enabled	boolean		
allowEditing	boolean		

position

Settings related to position.

Property	Type	Default	Props
sticky	boolean	false	

spacing

Settings related to spacing.

Property	Type	Default	Props
blockGap	boolean, null	null	
margin	boolean	false	
padding	boolean	false	
units	array	px,em,rem,vh,vw,%	
customSpacingSize	boolean	true	
spacingSizes	array		name, size, slug
spacingScale	object		

typography

Settings related to typography.

Property	Type	Default	Props
customFontSize	boolean	true	
fontStyle	boolean	true	
fontWeight	boolean	true	
fluid	object, boolean	false	*{maxViewportWidth, minFontSize, minViewportWidth}*
letterSpacing	boolean	true	
lineHeight	boolean	false	
textColumns	boolean	false	
textDecoration	boolean	true	
writingMode	boolean	false	
textTransform	boolean	true	
dropCap	boolean	true	
fontSizes	array		fluid, name, size, slug
fontFamilies	array		fontFace, fontFamily, name, slug

custom

Generate custom CSS custom properties of the form `--wp--custom--{key}--{nested-key}: {value};`. `camelCased` keys are transformed to `kebab-case` as to follow the CSS property naming schema. Keys at different depth levels are separated by `--`, so keys should not include `--` in the name.

Styles

border

Border styles.

Property	Type	Props
color	string, object	
radius	string, object	
style	string, object	
width	string, object	
top	object	color, style, width
right	object	color, style, width
bottom	object	color, style, width
left	object	color, style, width

---

color

Color styles.

Property	Type	Props
background	string, object	
gradient	string, object	
text	string, object	

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dimensions

Dimensions styles

Property	Type	Props
aspectRatio	string, object	
minHeight	string, object	

spacing

Spacing styles.

Property	Type	Props
blockGap	string, object	
margin	object	bottom, left, right, top
padding	object	bottom, left, right, top

typography

Typography styles.

Property	Type	Props
fontFamily	string, object	
fontSize	string, object	
fontStyle	string, object	
fontWeight	string, object	
letterSpacing	string, object	
lineHeight	string, object	
textColumns	string	
textDecoration	string, object	
writingMode	string, object	
textTransform	string, object	

filter

CSS and SVG filter styles.

Property	Type	Props
duotone	string, object	

shadow

Box shadow styles.

outline

Outline styles.

Property	Type	Props
color	string, object	
offset	string, object	
style	string, object	
width	string, object	

css

Sets custom CSS to apply styling not covered by other theme.json properties.

customTemplates

Additional metadata for custom templates defined in the templates folder.

Type: `object`.

Property	Description	Type
name	Filename, without extension, of the template in the templates folder.	string
title	Title of the template, translatable.	string

Property	Description	Type
postTypes	List of post types that can use this custom template.	array

templateParts

Additional metadata for template parts defined in the parts folder.

Type: `object`.

Property	Description	Type
name	Filename, without extension, of the template in the parts folder.	string
title	Title of the template, translatable.	string
area	The area the template part is used for. Block variations for `header` and `footer` values exist and will be used when the area is set to one of those.	string

Patterns

An array of pattern slugs to be registered from the Pattern Directory.
Type: `array`.

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