全局设置与样式 (theme.json)

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- [redacted] -- [redacted]
- How settings under "custom" create new CSS Custom Properties
- Global Stylesheet
- [redacted]
- [redacted] blockGap [redacted]
- [redacted]

WordPress 5.8 [redacted] [redacted] WordPress [redacted] `theme.json` [redacted]

[redacted]

[redacted] API [redacted]

[redacted] [redacted] [redacted]

[redacted]

[redacted] `theme.json` [redacted]

- [redacted]
- [redacted]
- [redacted]

[redacted]

[redacted] `theme.json` [redacted]

[redacted]

- [redacted]
- [redacted] UI [redacted]
- [redacted]

[redacted]

□□□□ `theme.json` □□□□□

```
body {
□--wp--preset--color--black: #000000;
□--wp--preset--color--white: #ffffff;
}
```

{% end %}

- □□□□□□ □□□□□□□□□□□□□□□□□□ CSS □□□□□□

{% codetabs %} {% Input %}

```
{
□"version": 3,
□"settings": {
□□"custom": {
□□□"line-height": {
□□□□"body": 1.7,
□□□□"heading": 1.3
□□□}
□□}
□}
}
```

{% Output %}

```
body {
□--wp--custom--line-height--body: 1.7;
□--wp--custom--line-height--heading: 1.3;
}
```

{% end %}

□□

□□□□□□□□□□□□□□□□□

```
"settings": {},
"styles": {},
"customTemplates": {},
"templateParts": {}
}
```

□□

□□□□□ `theme.json` □□□□□□□□□□□ WordPress 6.6 □□□□ □□ 3□

□□□□□□□□□□

```
□□□"customDuotone": true,
□□□"customGradient": true,
□□□"duotone": [],
□□□"gradients": [],
□□□"link": false,
□□□"palette": [],
□□□"text": true,
□□□"background": true,
□□□"defaultGradients": true,
□□□"defaultPalette": true
□□},
□□"custom": {},
□□"layout": {
□□□"contentSize": "800px",
□□□"wideSize": "1000px"
□□},
□□"spacing": {
□□□"margin": false,
□□□"padding": false,
□□□"blockGap": null,
□□□"units": [ "px", "em", "rem", "vh", "vw" ]
□□},
□□"typography": {
□□□"customFontSize": true,
□□□"lineHeight": false,
□□□"dropCap": true,
□□□"fluid": false,
□□□"fontStyle": true,
□□□"fontWeight": true,
□□□"letterSpacing": true,
□□□"textDecoration": true,
□□□"textTransform": true,
□□□"fontSizes": [],
□□□"fontFamilies": []
□□},
□□"blocks": {
□□□"core/paragraph": {
□□□□"color": {},
□□□□"custom": {},
□□□□"layout": {},
```

```
        "spacing": {},
        "typography": {}
      },
      "core/heading": {},
      "etc": {}
    }
  }
}
```

{% Gutenberg %}

```
{
  "version": 3,
  "settings": {
    "appearanceTools": false,
    "border": {
      "color": false,
      "radius": false,
      "style": false,
      "width": false
    },
    "color": {
      "background": true,
      "custom": true,
      "customDuotone": true,
      "customGradient": true,
      "defaultGradients": true,
      "defaultPalette": true,
      "duotone": [],
      "gradients": [],
      "link": false,
      "palette": [],
      "text": true
    },
    "custom": {},
    "dimensions": {
      "aspectRatio": false,
      "height": false,
      "minHeight": false,
      "width": false,
```

```
□□},
□□"layout": {
□□□"contentSize": "800px",
□□□"wideSize": "1000px"
□□},
□□"spacing": {
□□□"blockGap": null,
□□□"margin": false,
□□□"padding": false,
□□□"customSpacingSize": true,
□□□"units": [ "px", "em", "rem", "vh", "vw" ],
□□□"spacingScale": {
□□□□"operator": "*",
□□□□"increment": 1.5,
□□□□"steps": 7,
□□□□"mediumStep": 1.5,
□□□□"unit": "rem"
□□□},
□□□"spacingSizes": []
□□},
□□"typography": {
□□□"customFontSize": true,
□□□"dropCap": true,
□□□"fluid": false,
□□□"fontFamilies": [],
□□□"fontSizes": [],
□□□"fontStyle": true,
□□□"fontWeight": true,
□□□"letterSpacing": true,
□□□"lineHeight": false,
□□□"textAlign": true,
□□□"textColumns": false,
□□□"textDecoration": true,
□□□"textIndent": true,
□□□"textTransform": true
□□},
□□"blocks": {
□□□"core/paragraph": {
□□□□"border": {},
□□□□"color": {},
```

```
□□□□"custom": {},
□□□□"layout": {},
□□□□"spacing": {},
□□□□"typography": {}
□□□},
□□□"core/heading": {},
□□□"etc": {}
□□}
□}
}
```

{% end %}

Each block can configure any of these settings separately, providing a more fine-grained control over what exists via `add_theme_support`. The settings declared at the top-level affect to all blocks, unless a particular block overwrites it. It's a way to provide inheritance and configure all blocks at once.

Note, however, that not all settings are relevant for all blocks. The settings section provides an opt-in/opt-out mechanism for themes, but it's the block's responsibility to add support for the features that are relevant to it. For example, if a block doesn't implement the `dropCap` feature, a theme can't enable it for such a block through `theme.json`.

□□ UI □□

□□□□□□□□□□ `appearanceTools` □□□□□□□□□□□□□□ false □□□□□□□□□□□□□□□□□□□□

- □□□ backgroundImage□ backgroundSize
- □□□ color□ radius□ style□ width
- □□□ link
- □□□ aspectRatio□ height□ minHeight□ width
- □□□ sticky
- □□□ blockGap□ margin□ padding
- □□□ lineHeight

Backward compatibility with add_theme_support

To retain backward compatibility, the existing `add_theme_support` declarations that configure the block editor are retrofit in the proper categories for the top-level section. For example, if a theme uses `add_theme_support('disable-custom-colors')`, it'll be the same as setting `settings.color.custom` to `false`. If the `theme.json` contains any settings, these will take precedence over the values declared via `add_theme_support`. This is the complete list of equivalences:

add_theme_support	theme.json setting
`custom-line-height`	Set `typography.lineHeight` to `true`.
`custom-spacing`	Set `spacing.padding` to `true`.
`custom-units`	Provide the list of units via `spacing.units`.
`disable-custom-colors`	Set `color.custom` to `false`.
`disable-custom-font-sizes`	Set `typography.customFontSize` to `false`.
`disable-custom-gradients`	Set `color.customGradient` to `false`.
`editor-color-palette`	Provide the list of colors via `color.palette`.
`editor-font-sizes`	Provide the list of font size via `typography.fontSizes`.
`editor-gradient-presets`	Provide the list of gradients via `color.gradients`.
`editor-spacing-sizes`	Provide the list of spacing sizes via `spacing.spacingSizes`.
`appearance-tools`	Set `appearanceTools` to `true`.
`border`	Set `border: color, radius, style, width` to `true`.
`link-color`	Set `color.link` to `true`.

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□□□□□□□□□□□□□□□□□□□□ UI □□□□□□□□□□□□ `theme.json`
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ CSS □□□□□□□□

□□□□ `theme.json` □□□□□□□□

- `color.duotone` □□□□□□□□□□□□□
- `color.gradients` □□□□□□□□□□□□□□□□□□□□□
- `color.palette` □
  - □□□□□□□ 3 □□□ color□ background-color □ border-color□
  - □□□□□□□□□□□□□□□□
- `spacing.spacingSizes` / `spacing.spacingScale` □□□□□□□□□□□□□□□□□
- `typography.fontSizes` □□□□□□□□□□□□□□□□□□□□□
- `typography.fontFamilies` □□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□

- □□□□□□ `--wp--preset--{preset-category}--{preset-slug}` □□□ `--wp--preset--color--black`
- □□ `.has-{preset-slug}-{preset-category}` □□□ `.has-black-color` □

{% codetabs %} {% Input %}

```
{
  "version": 3,
  "settings": {
    "color": {
      "duotone": [
        {
          "colors": [ "#000", "#FFF" ],
          "slug": "black-and-white",
          "name": "Black and White"
        }
      ],
      "gradients": [
        {
          "slug": "blush-bordeaux",
          "gradient": "linear-gradient(135deg,rgb(254,205,165) 0%,rgb(254,45,45) 50%,rgb(107,0,62) 100%)",
          "name": "Blush bordeaux"
        },
        {
          "slug": "blush-light-purple",
          "gradient": "linear-gradient(135deg,rgb(255,206,236) 0%,rgb(152,150,240) 100%)",
          "name": "Blush light purple"
        }
      ],
      "palette": [
        {
          "slug": "strong-magenta",
          "color": "#a156b4",
          "name": "Strong magenta"
        },
        {
          "slug": "very-dark-grey",
          "color": "rgb(131, 12, 8)",
          "name": "Very dark grey"
        }
      ]
    },
    "typography": {
      "fontFamilies": [
        {
```

```
□□□□□"fontFamily": "-apple-system,BlinkMacSystemFont,\"Segoe UI\",Roboto,Oxygen-
Sans,Ubuntu,Cantarell, \"Helvetica Neue\",sans-serif",
□□□□□"slug": "system-font",
□□□□□"name": "System Font"
□□□□},
□□□□{
□□□□□"fontFamily": "Helvetica Neue, Helvetica, Arial, sans-serif",
□□□□□"slug": "helvetica-arial",
□□□□□"name": "Helvetica or Arial"
□□□□}
□□□],
□□□"fontSizes": [
□□□□{
□□□□□"slug": "big",
□□□□□"size": 32,
□□□□□"name": "Big"
□□□□},
□□□□{
□□□□□"slug": "x-large",
□□□□□"size": 46,
□□□□□"name": "Large"
□□□□}
□□□]
□□},
□□"spacing": {
□□□"spacingScale": {
□□□□"operator": "*",
□□□□"increment": 1.5,
□□□□"steps": 7,
□□□□"mediumStep": 1.5,
□□□□"unit": "rem"
□□□},
□□□"spacingSizes": [
□□□□{
□□□□□"slug": "40",
□□□□□"size": "1rem",
□□□□□"name": "Small"
□□□□},
□□□□{
□□□□□"slug": "50",
```

```
□□□□□"size": "1.5rem",
□□□□□"name": "Medium"
□□□□},
□□□□{
□□□□□"slug": "60",
□□□□□"size": "2rem",
□□□□□"name": "Large"
□□□□}
□□□]
□□},
□□"blocks": {
□□□"core/group": {
□□□□"color": {
□□□□□"palette": [
□□□□□□□{
□□□□□□□□"slug": "black",
□□□□□□□□"color": "#000000",
□□□□□□□□"name": "Black"
□□□□□□□},
□□□□□□□{
□□□□□□□□"slug": "white",
□□□□□□□□"color": "#ffffff",
□□□□□□□□"name": "White"
□□□□□□□}
□□□□□]
□□□□}
□□□}
□□}
□}
}
```


{% Output %}


```
/* Top-level custom properties */
body {
□--wp--preset--color--strong-magenta: #a156b4;
□--wp--preset--color--very-dark-grey: #444;
□--wp--preset--gradient--blush-bordeaux: linear-gradient( 135deg, rgb( 254, 205, 165 ) 0%, rgb(
254, 45, 45 ) 50%, rgb( 107, 0, 62 ) 100% );
□--wp--preset--gradient--blush-light-purple: linear-gradient( 135deg, rgb( 255, 206, 236 ) 0%,
```

```
rgb( 152, 150, 240 ) 100% );
--wp--preset--font-size--x-large: 46;
--wp--preset--font-size--big: 32;
--wp--preset--font-family--helvetica-arial: Helvetica Neue, Helvetica, Arial, sans-serif;
--wp--preset--font-family--system: -apple-system,BlinkMacSystemFont,\"Segoe
UI\",Roboto,Oxygen-Sans,Ubuntu,Cantarell, \"Helvetica Neue\",sans-serif;
--wp--preset--spacing--20: 0.44rem;
--wp--preset--spacing--30: 0.67rem;
--wp--preset--spacing--40: 1rem;
--wp--preset--spacing--50: 1.5rem;
--wp--preset--spacing--60: 2.25rem;
--wp--preset--spacing--70: 3.38rem;
--wp--preset--spacing--80: 5.06rem;
}

/* Block-level custom properties (bounded to the group block) */
.wp-block-group {
--wp--preset--color--black: #000000;
--wp--preset--color--white: #ffffff;
}

/* Top-level classes */
.has-strong-magenta-color { color: #a156b4 !important; }
.has-strong-magenta-background-color { background-color: #a156b4 !important; }
.has-strong-magenta-border-color { border-color: #a156b4 !important; }
.has-very-dark-grey-color { color: #444 !important; }
.has-very-dark-grey-background-color { background-color: #444 !important; }
.has-very-dark-grey-border-color { border-color: #444 !important; }
.has-blush-bordeaux-background { background: linear-gradient( 135deg, rgb( 254, 205, 165 ) 0%,
rgb( 254, 45, 45 ) 50%, rgb( 107, 0, 62 ) 100% ) !important; }
.has-blush-light-purple-background { background: linear-gradient( 135deg, rgb( 255, 206, 236 )
0%, rgb( 152, 150, 240 ) 100% ) !important; }
.has-big-font-size { font-size: 32; }
.has-normal-font-size { font-size: 16; }

/* Block-level classes (bounded to the group block) */
.wp-block-group.has-black-color { color: #a156b4 !important; }
.wp-block-group.has-black-background-color { background-color: #a156b4 !important; }
.wp-block-group.has-black-border-color { border-color: #a156b4 !important; }
.wp-block-group.has-white-color { color: #444 !important; }
```

```
.wp-block-group.has-white-background-color { background-color: #444 !important; }
.wp-block-group.has-white-border-color { border-color: #444 !important; }
```

{% end %}

To maintain backward compatibility, the presets declared via `add_theme_support` will also generate the CSS Custom Properties. If the `theme.json` contains any presets, these will take precedence over the ones declared via `add_theme_support`.

Preset classes are attached to the content of a post by some user action. That's why the engine will add `!important` to these, because user styles should take precedence over theme styles.

Custom

In addition to create CSS Custom Properties for the presets, the `theme.json` also allows for themes to create their own, so they don't have to be enqueued separately. Any values declared within the `custom` field will be transformed to CSS Custom Properties following this naming schema: `--wp--custom--<variable-name>`.

For example:

{% codetabs %} {% Input %}

```
{
□"version": 3,
□"settings": {
□□"custom": {
□□□"baseFont": 16,
□□□"lineHeight": {
□□□□"small": 1.2,
□□□□"medium": 1.4,
□□□□"large": 1.8
□□□}
□□},
□□"blocks": {
□□□"core/group": {
□□□□"custom": {
□□□□□"baseFont": 32
□□□□}
□□□}
□□}
□}
```

```
}
```

{% Output %}

```
body {
--wp--custom--base-font: 16;
--wp--custom--line-height--small: 1.2;
--wp--custom--line-height--medium: 1.4;
--wp--custom--line-height--large: 1.8;
}
.wp-block-group {
--wp--custom--base-font: 32;
}
```

{% end %}

Note that the name of the variable is created by adding `--` in between each nesting level and `camelCase` fields are transformed to `kebab-case`.

□□□

- □□□□□□□□□□□□□

```
{
"version": 3,
"settings": {
"color": {
"custom": false
},
"blocks": {
"core/paragraph": {
"color": {
"custom": true
}
}
}
}
}
```

- □□□□□□□□□□□

```
{
  "version": 3,
  "settings": {
    "blocks": {
      "core/button": {
        "border": {
          "radius": false
        }
      }
    }
  }
}
```

- □□□□□□□□□□□□□□□□□□□□

```
{
  "version": 3,
  "settings": {
    "color": {
      "palette": [
        {
          "slug": "black",
          "color": "#000000",
          "name": "Black"
        },
        {
          "slug": "white",
          "color": "#FFFFFF",
          "name": "White"
        },
        {
          "slug": "red",
          "color": "#FF0000",
          "name": "Red"
        },
        {
          "slug": "green",
          "color": "#00FF00",
          "name": "Green"
        },
```

```
□□□□{
□□□□□"slug": "blue",
□□□□□"color": "#0000FF",
□□□□□"name": "Blue"
□□□□}
□□□]
□□},
□□"blocks": {
□□□"core/group": {
□□□□"color": {
□□□□□"palette": [
□□□□□□□{
□□□□□□□□"slug": "black",
□□□□□□□□"color": "#000000",
□□□□□□□□"name": "Black"
□□□□□□□},
□□□□□□□{
□□□□□□□□"slug": "white",
□□□□□□□□"color": "#FFF",
□□□□□□□□"name": "White"
□□□□□□□}
□□□□□]
□□□□}
□□□}
□□}
□}
}
```

□□

> Gutenberg □□□□□ WordPress 5.8 □□□□□□□□□□□□□□□□ WordPress □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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```
{
  "version": 3,
  "styles": {
    "border": {
      "radius": "value",
      "color": "value",
      "style": "value",
      "width": "value"
    },
    "filter": {
      "duotone": "value"
    },
    "color": {
      "background": "value",
      "gradient": "value",
      "text": "value"
    },
    "spacing": {
      "blockGap": "value",
      "margin": {
        "top": "value",
        "right": "value",
        "bottom": "value",
        "left": "value",
      },
      "padding": {
        "top": "value",
        "right": "value",
        "bottom": "value",
        "left": "value"
      }
    },
    "typography": {
      "fontSize": "value",
      "fontStyle": "value",
      "fontWeight": "value",
      "letterSpacing": "value",
      "lineHeight": "value",
      "textDecoration": "value",
      "textTransform": "value"
```

```
□□},
□□"elements": {
□□□"link": {
□□□□"border": {},
□□□□"color": {},
□□□□"spacing": {},
□□□□"typography": {}
□□□},
□□□"h1": {},
□□□"h2": {},
□□□"h3": {},
□□□"h4": {},
□□□"h5": {},
□□□"h6": {}
□□},
□□"blocks": {
□□□"core/group": {
□□□□"border": {},
□□□□"color": {},
□□□□"spacing": {},
□□□□"typography": {},
□□□□"elements": {
□□□□□"link": {},
□□□□□"h1": {},
□□□□□"h2": {},
□□□□□"h3": {},
□□□□□"h4": {},
□□□□□"h5": {},
□□□□□"h6": {}
□□□□}
□□□},
□□□"etc": {}
□□}
□}
}
```

{% Gutenberg %}

```
{
□"version": 3,
```

```
"styles": {
  "border": {
    "color": "value",
    "radius": "value",
    "style": "value",
    "width": "value"
  },
  "color": {
    "background": "value",
    "gradient": "value",
    "text": "value"
  },
  "dimensions": {
    "aspectRatio": "value",
    "height": "value"
    "minHeight": "value"
    "width": "value"
  },
  "filter": {
    "duotone": "value"
  },
  "spacing": {
    "blockGap": "value",
    "margin": {
      "top": "value",
      "right": "value",
      "bottom": "value",
      "left": "value"
    },
    "padding": {
      "top": "value",
      "right": "value",
      "bottom": "value",
      "left": "value"
    }
  },
  "typography": {
    "fontFamily": "value",
    "fontSize": "value",
    "fontStyle": "value",
```

```
□□□"fontWeight": "value",
□□□"letterSpacing": "value",
□□□"lineHeight": "value",
□□□"textColumns": "value",
□□□"textDecoration": "value",
□□□"textTransform": "value"
□□},
□□"elements": {
□□□"link": {
□□□□"border": {},
□□□□"color": {},
□□□□"spacing": {},
□□□□"typography": {}
□□□},
□□□"h1": {},
□□□"h2": {},
□□□"h3": {},
□□□"h4": {},
□□□"h5": {},
□□□"h6": {},
□□□"heading": {},
□□□"button": {},
□□□"caption": {}
□□},
□□"blocks": {
□□□"core/group": {
□□□□"border": {},
□□□□"color": {},
□□□□"dimensions": {},
□□□□"spacing": {},
□□□□"typography": {},
□□□□"elements": {
□□□□□"link": {},
□□□□□"h1": {},
□□□□□"h2": {},
□□□□□"h3": {},
□□□□□"h4": {},
□□□□□"h5": {},
□□□□□"h6": {}
□□□□}
```

```
□□□},
□□□"etc": {}
□□}
□}
}
```

{% end %}

□□□□

□□□□□□□□□□ `body` □□□□□□□□

{% codetabs %} {% Input %}

```
{
□"version": 3,
□"styles": {
□□"color": {
□□□"text": "var(--wp--preset--color--primary)"
□□}
□}
}
```

{% Output %}

```
body {
□color: var( --wp--preset--color--primary );
}
```

{% end %}

Block styles

Styles found within a block will be enqueued using the block selector.

By default, the block selector is generated based on its name such as `.wp-block-<blockname-without-namespace>`. For example, `.wp-block-group` for the `core/group` block. There are some blocks that want to opt-out from this default behavior. They can do so by explicitly telling the system which selector to use for them via the `__experimentalSelector` key within the `supports` section of its `block.json` file. Note that the block needs to be registered server-side for the `__experimentalSelector` field to be available to the style engine.

{% codetabs %} {% Input %}

```
{
□"version": 3,
□"styles": {
□□"color": {
□□□"text": "var(--wp--preset--color--primary)"
□□},
□□"blocks": {
□□□"core/paragraph": {
□□□□"color": {
□□□□□"text": "var(--wp--preset--color--secondary)"
□□□□}
□□□},
□□□"core/group": {
□□□□"color": {
□□□□□"text": "var(--wp--preset--color--tertiary)"
□□□□}
□□□}
□□}
□}
}
```

{% Output %}

```
body {
□color: var( --wp--preset--color--primary );
}
p { /* The core/paragraph opts out from the default behaviour and uses p as a selector. */
□color: var( --wp--preset--color--secondary );
}
.wp-block-group {
□color: var( --wp--preset--color--tertiary );
}
```

{% end %}

□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Gutenberg □□□ □□□□□

`styles.color.background` □□□□□□□□□□□□

```
"styles": {
□□"color": {
□□□"background": "var(--wp--preset--color--primary)"
□□}
□}
```

□□□□□ `ref: "styles.color.background"` □□□□□□□□□□

```
{
□"color": {
□□"text": { "ref": "styles.color.background" }
□}
}
```

Element styles

In addition to top-level and block-level styles, there's the concept of elements that can be used in both places. There's a closed set of them:

Supported by Gutenberg:

- `button`: maps to the `wp-element-button` CSS class. Also maps to `wp-block-button__link` for backwards compatibility.
- `caption`: maps to the `.wp-element-caption, .wp-block-audio figcaption, .wp-block-embed figcaption, .wp-block-gallery figcaption, .wp-block-image figcaption, .wp-block-table figcaption, .wp-block-video figcaption` CSS classes.
- `heading`: maps to all headings, the `h1 to h6` CSS selectors.

Supported by WordPress:

- `h1`: maps to the `h1` CSS selector.
- `h2`: maps to the `h2` CSS selector.
- `h3`: maps to the `h3` CSS selector.
- `h4`: maps to the `h4` CSS selector.
- `h5`: maps to the `h5` CSS selector.
- `h6`: maps to the `h6` CSS selector.
- `link`: maps to the `a` CSS selector.

If they're found in the top-level the element selector will be used. If they're found within a block, the selector to be used will be the element's appended to the corresponding block.

{% codetabs %} {% Input %}

```
{
  "version": 3,
  "styles": {
    "typography": {
      "fontSize": "var(--wp--preset--font-size--normal)"
    },
    "elements": {
      "h1": {
        "typography": {
          "fontSize": "var(--wp--preset--font-size--huge)"
        }
      },
      "h2": {
        "typography": {
          "fontSize": "var(--wp--preset--font-size--big)"
        }
      },
      "h3": {
        "typography": {
          "fontSize": "var(--wp--preset--font-size--medium)"
        }
      }
    },
    "blocks": {
      "core/group": {
        "elements": {
          "h2": {
            "typography": {
              "fontSize": "var(--wp--preset--font-size--small)"
            }
          },
          "h3": {
            "typography": {
              "fontSize": "var(--wp--preset--font-size--smaller)"
            }
          }
        }
      }
    }
  }
}
```

```
}
```

{% Output %}

```
body {
□font-size: var( --wp--preset--font-size--normal );
}
h1 {
□font-size: var( --wp--preset--font-size--huge );
}
h2 {
□font-size: var( --wp--preset--font-size--big );
}
h3 {
□font-size: var( --wp--preset--font-size--medium );
}
.wp-block-group h2 {
□font-size: var( --wp--preset--font-size--small );
}
.wp-block-group h3 {
□font-size: var( --wp--preset--font-size--smaller );
}
```

{% end %}

□□□□□□

Gutenberg □□□□□□ `:hover`□ `:focus`□ `:focus-visible`□ `:visited`□ `:active`□ `:link`□ `:any-link`□

```
"elements": {
□□"link": {
□□□"color": {
□□□□"text": "green"
□□□},
□□□":hover": {
□□□□"color": {
□□□□□"text": "hotpink"
□□□□}
□□□}
□□}
```

```
□}
```

□□

□□□□□□□ "□□□□ "□□□□□□□ block.json □□ □□□□□□□□□□ `theme.json` □□□

□□□□□□□□□□ "□□□□ "——□□□□□□□□□□□□□□□□ `theme.json` □□□□□□□□□□□□□□□□□□□□□□□□ `variations` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `block.json` □□□□□□□□□□□□□ `register_block_style` □□□□□□□□□□ `theme.json` □□ "□□□ " □□□□□□□

□□□□□□□□□□ `core/quote` □□□□□□ `plain` □□□□□□□□

```
{
□"version": 3,
□"styles": {
□□"blocks": {
□□□"core/quote": {
□□□□"variations": {
□□□□□"plain": {
□□□□□□"color": {
□□□□□□□"background": "red"
□□□□□□}
□□□□□}
□□□□}
□□□}
□□}
□}
}
```

□□□ CSS □□□□

```
.wp-block-quote.is-style-plain {
□background-color: red;
}
```

□□□□□□□□□□□□□□□□□□□

□□□□□□□ theme.json □□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `/styles` □□□□□□□□□□□□□□□□□□□□
`blockTypes` □□□□□□□□□□□□□□□□□□□□ `blockTypes`
□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□ `slug` □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `slug` □□□□□
`title` □□□□□

□□□□□ `theme.json` □□□□□□□□□ Group□ Columns □ Media & Text □□□□□□□ "Variation A" □□□□□□□□

```
{
□"$schema": "https://schemas.wp.org/trunk/theme.json",
□"version": 3,
□"title": "Variation A",
□"slug": "variation-a",
□"blockTypes": [ "core/group", "core/columns", "core/media-text" ],
□"styles": {
□□"color": {
□□□"background": "#eed8d3",
□□□"text": "#201819"
□□},
□□"elements": {
□□□"heading": {
□□□□"color": {
□□□□□"text": "#201819"
□□□□}
□□□}
□□},
□□"blocks": {
□□□"core/group": {
□□□□"color": {
□□□□□"background": "#825f58",
□□□□□"text": "#eed8d3"
□□□□},
□□□□"elements": {
□□□□□"heading": {
□□□□□□"color": {
□□□□□□□"text": "#eed8d3"
□□□□□□}
```

□□□□□}
□□□□}
□□□}
□□}
□}
}

□□□□□□□□□□□□

□□□□ `theme.json` □□□□□□□□□□□□ `register_block_style` □□□□□□□□□□□□

```
                        'text' => '#ebd9b4',
                    ),
                ),
            ),
        ),
    )
);
```

customTemplates

> WordPress 5.9

`templates` `my-custom-template.html` `theme.json`

- name
- title
- postTypes `page`

```
{
    "version": 3,
"customTemplates": [
  {
    "name": "my-custom-template",
    "title": "The template title",
    "postTypes": [
      "page",
      "post",
      "my-cpt"
    ]
  }
]
}
```

templateParts

> WordPress 5.9

□□□□□□□□□□□□ `parts` □□□□□□□□□□□□□□□□□□□□□□□□ `my-template-part.html`
□□□□□□ `theme.json`
□□□
□□ json
□□
□□□□□□□□□□□□□□□□□□□□□□□□ “□□ ”□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□ "header" □ "footer" □□□□□□□□□□□□□□□ json
□□
□□□□□□ HTML □□□□□□□□□□□□□□□□□□□□□□□□ `tagName`
□□

- name□□□□
- title□□□□□□□□□
- area□□□□□□□□□□ `uncategorized` □□□□□□□□□□□□

```
{
    "version": 3,
□"templateParts": [
□□{
□□□"name": "my-template-part",
□□□"title": "Header",
□□□"area": "header"
□□}
□]
}
```

□□

> □ WordPress 6.0 □□□□□□

□□□□□□□□□□□□□□□□ [□□□□ ___](#) □□□□□□□ `patterns` □□□□□□□□□□□□□□□□ `slugs`
□□□□□□□ slug □□□□□□□□□□□□□□□□□□□□ `url` □□□□□□□□ URL
`https://wordpress.org/patterns/pattern/partner-logos` □□ slug □ `partner-logos`□

```
{
□"version": 3,
□"patterns": [ "short-text-surrounded-by-round-images", "partner-logos" ]
}
```

使用 theme.json 进行开发
在开发过程中，很难记住 theme.json 的设置、属性以及不同 WordPress 版本支持哪些设置，因此使用提供的
JSON 模式会很有帮助。

许多代码编辑器都支持 JSON 模式，并能在编辑器中直接提供工具提示、自动完成或模式验证等帮助。

每个 WordPress 版本的 theme.json 模式都可在 https://schemas.wp.org/wp/{{version}}/theme.json 获取。例如， WordPress 5.8 的模式位于 https://schemas.wp.org/wp/5.8/theme.json
。为确保仅使用对用户可用的功能，最好使用主题支持的最旧版本。

包含 Gutenberg 插件所有最新更改的最新模式可在 https://schemas.wp.org/trunk/theme.json 获取。

请查阅编辑器的文档以了解 JSON 模式支持情况。例如，在 Visual Studio Code 中，您需要在 theme.json 文件的顶层属性中添加 "$schema": "https://schemas.wp.org/wp/x.x/theme.json"
，但其他编辑器的配置方式可能不同。

使用模式进行验证的示例

常见问题

CSS 自定义属性的命名模式

您可能已经注意到系统创建的 CSS 自定义属性所使用的命名模式，包括使用双连字符 -- 来分隔不同的 "概念 " 。请看以下示例。

预设 如 --wp--preset--color--black 可以分解为以下几个部分：

- - wp ：命名空间 CSS 变量的前缀。
preset：表示这是一个属于预设的 CSS 变量。
color：表示该变量属于哪个预设类别。可以是 color、 font-size、 gradients。
black：特定预设值的 slug。

自定义 属性如 --wp--custom--line-height--body，可以分解为以下几个部分：

- - wp ：命名空间 CSS 变量的前缀。
custom ：表示这是由主题创建的 "自由格式 " CSS 变量。
line-height--body：将 "custom"对象键转换为字符串的结果。

- - 作为分隔符有两个作用：

- □□□□□□□□□□□□□□□□□□□□□□□□ BEM □□□□□□□□□ "□□ "□
- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `--wp--preset--color--black` □□□□□□□□□□□ slug □ "black" □□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□ `--` □□□□□□

□□□□□□□□□□□□□□□□□ `-`□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□ `-`□□□□□□□□□□ `--wp-custom-line-height-template-header` □□□□□□

□□□□ `--` □□□□□□□□□□□□□□□□□ `-` □□□□□□□□□□□□□□□ `--wp--custom--line-height--template-header`□

How settings under "custom" create new CSS Custom Properties

The algorithm to create CSS Variables out of the settings under the "custom" key works this way:

This is for clarity, but also because we want a mechanism to parse back a variable name such `--wp--custom--line-height--body` to its object form in theme.json. We use the same separation for presets.

For example:

{% codetabs %} {% Input %}

```
{
□"version": 3,
□"settings": {
□□"custom": {
□□□"lineHeight": {
□□□□"body": 1.7
□□□},
□□□"font-primary": "-apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen-Sans, Ubuntu,
Cantarell, 'Helvetica Neue', sans-serif"
□□}
□}
}
```

{% Output %}

```
body {
--wp--custom--line-height--body: 1.7;
--wp--custom--font-primary: "-apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen-Sans, Ubuntu, Cantarell, 'Helvetica Neue', sans-serif";
}
```

{% end %}

A few notes about this process:

- `camelCased` keys are transformed into its `kebab-case` form, as to follow the CSS property naming schema. Example: `lineHeight` is transformed into `line-height`.
- Keys at different depth levels are separated by `--`. That's why `line-height` and `body` are separated by `--`.
- You shouldn't use `--` in the names of the keys within the `custom` object. Example, **don't do** this:

```
{
"version": 3,
"settings": {
"custom": {
"line--height": { // DO NOT DO THIS
"body": 1.7
}
}
}
}
```

Global Stylesheet

In WordPress 5.8, the CSS for some of the presets defined by WordPress (font sizes, colors, and gradients) was loaded twice for most themes: in the block-library stylesheet plus in the global stylesheet. Additionally, there were slight differences in the CSS in both places.

In WordPress 5.9 release, CSS of presets are consolidated into the global stylesheet, that is now loaded for all themes. Each preset value generates a single CSS Custom Property and a class, as in:

```
/* CSS Custom Properties for the preset values */
body {
  --wp--preset--<PRESET_TYPE>--<PRESET_SLUG>: <DEFAULT_VALUE>;
  --wp--preset--color--pale-pink: #f78da7;
```

```
  --wp--preset--font-size--large: 36px;
  /* etc. */
}

/* CSS classes for the preset values */
.has-<PRESET_SLUG>-<PRESET_TYPE> { ... }
.has-pale-pink-color { color: var(--wp--preset--color--pale-pink) !important; }
.has-large-font-size { font-size: var(--wp--preset--font-size--large) !important; }
```

For themes to override the default values they can use the `theme.json` and provide the same slug. Themes that do not use a `theme.json` can still override the default values by enqueuing some CSS that sets the corresponding CSS Custom Property.

`Example` (sets a new value for the default large font size):

```
body {
 --wp--preset--font-size--large: <NEW_VALUE>;
}
```

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□ WordPress 5.8 □□□□□□□□□□□□□□□□□□□□□□□□ `.wp-element-<ID>` □□□□□□□□□□□□□□□□□□□□□□□□

```
.wp-element-<ID> a { color: <USER_COLOR_VALUE> !important; }
```

□□ HTML □□□□□□□□ □□□□□ □□ WordPress 5.9 □□□□□□□ `!important` □□□□□□□□□□□□□□□□□□□□□□□□□□□□ a □□□□□□□□□□□□

```
.wp-element-<ID> a { color: <USER_COLOR_VALUE>; }
```

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□□□□□□□□□□ `blockGap` □□□□□□ □□□□ □□□□□□□□□□

```
{
□"version": 3,
□"settings": {
□□"spacing": {
□□□"blockGap": true,
□□}
□},
□"styles": {
□□"spacing": {
□□□"blockGap": "1.5rem"
□□}
□}
}
```

`blockGap` □□□□□□□□□□ `null` □□□□□ `null` □□□□□□□□□□□□□□□□□□□□
`theme.json` □□□□ `settings.spacing.blockGap` □□□□□□□□

- `true` □□□□□□□ UI □□□ □□□□ □□□□□ `blockGap` □□□
- `false` □□□□□□□□ UI □□□ □□□□ □□□□□□□ `theme.json` □□ `blockGap` □□□□□□□□□□□□□□□□ `blockGap` □□□□□□□□□□□□□□□□□□□□□□
- `null` □□□□□□□□□□□□□ UI □□□ □□□□ □□□ □□ □□□□ `blockGap` □□□

□□ `styles.spacing.blockGap` □□□□□□□□□□□□□ CSS □□□□□□□ `--wp--style--block-gap` □

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□□□□ theme.json □□□□□□□□□□□□□□□□ 30 □□□□□□□□□□□□□□□□□□
`theme.json` □□□□□□□□□□□□□□□□ `wp-config.php` □□ `WP_DEBUG` □ `SCRIPT_DEBUG` □□□ 'true'□□□□□ WordPress □□□□□□□□□□□□□□□

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