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# Theming

Using CSS Variables or Tailwind CSS for theming.

You can choose between using CSS variables or Tailwind CSS utility classes for theming.

## Utility classes

To use utility classes for theming set `tailwind.cssVariables` to `false` in your `components.json` file.

```
components.json

{
  "style": "default",
  "rsc": true,
  "tailwind": {
    "config": "tailwind.config.js",
    "css": "app/globals.css",
    "baseColor": "slate",
    "cssVariables": false
  },
  "aliases": {
    "components": "@components",
    "utils": "@lib/utils"
  }
}
```

## CSS Variables

To use CSS variables for theming set `tailwind.cssVariables` to `true` in your `components.json` file.

```
components.json

{
  "style": "default",
  "rsc": true,
  "tailwind": {
    "config": "tailwind.config.js",
    "css": "app/globals.css",
    "baseColor": "slate",
    "cssVariables": true
  },
  "aliases": {
    "components": "@components",
    "utils": "@lib/utils"
  }
}
```

## Convention

We use a simple `background` and `foreground` convention for colors. The `background` variable is used for the background color of the component and the `foreground` variable is used for the text color.

The `background` suffix is omitted when the variable is used for the background color of the component.

Given the following CSS variables:

```
--primary: 222.2 47.4% 11.2%;
--primary-foreground: 210 40% 98%;
```

The `background` color of the following component will be `hsl(var(--primary))` and the `foreground` color will be `hsl(var(--primary-foreground))`.

```
<div className="bg-primary text-primary-foreground">Hello</div>
```

**CSS variables must be defined without color space function.** See the [Tailwind CSS documentation](#) for more information.

## List of variables

Here's the list of variables available for customization:

- Default background color of `<body />...etc`

```
--background: 0 0% 100%;
--foreground: 222.2 47.4% 11.2%;
```
- Muted backgrounds such as `<TabsList />`, `<Skeleton />` and `<Switch />`

```
--muted: 210 40% 96.1%;
--muted-foreground: 215.4 16.3% 46.9%;
```
- Background color for `<Card />`

```
--card: 0 0% 100%;
--card-foreground: 222.2 47.4% 11.2%;
```
- Background color for popovers such as `<DropdownMenu />`, `<HoverCard />`, `<Popover />`

```
--popover: 0 0% 100%;
--popover-foreground: 222.2 47.4% 11.2%;
```
- Default border color

```
--border: 214.3 31.8% 91.4%;
```
- Border color for inputs such as `<Input />`, `<Select />`, `<Textarea />`

```
--input: 214.3 31.8% 91.4%;
```
- Primary colors for `<Button />`

```
--primary: 222.2 47.4% 11.2%;
--primary-foreground: 210 40% 98%;
```
- Secondary colors for `<Button />`

```
--secondary: 210 40% 96.1%;
--secondary-foreground: 222.2 47.4% 11.2%;
```
- Used for accents such as hover effects on `<DropdownMenuItem>`, `<SelectItem>`...etc

```
--accent: 210 40% 96.1%;
--accent-foreground: 222.2 47.4% 11.2%;
```
- Used for destructive actions such as `<Button variant="destructive">`

```
--destructive: 0 100% 50%;
--destructive-foreground: 210 40% 98%;
```
- Used for focus ring

```
--ring: 215 20.2% 65.1%;
```
- Border radius for card, input and buttons

```
--radius: 0.5rem;
```

## Adding new colors

To add new colors, you need to add them to your CSS file and to your `tailwind.config.js` file.

```
app/globals.css

:root {
  --warning: 38 92% 50%;
  --warning-foreground: 48 96% 89%;
}

.dark {
  --warning: 48 96% 89%;
  --warning-foreground: 38 92% 50%;
}
```

```
tailwind.config.js

module.exports = {
  theme: {
    extend: {
      colors: {
        warning: "hsl(var(--warning))",
        "warning-foreground": "hsl(var(--warning-foreground))",
      },
    },
  },
}
```

You can now use the `warning` utility class in your components.

```
<div className="bg-warning text-warning-foreground " />
```

## Other color formats

I recommend using [HSL colors](#) for theming but you can also use other color formats if you prefer.

See the [Tailwind CSS documentation](#) for more information on using `rgb`, `rgba` or `hsl` colors.