Marp

Markdown presentation ecosystem

by Marp Team (**@marp-team**)

Features

- 📝 **Write slide deck with plain Markdown** (CommonMark)
- 🏭 Built on Marpit framework: A brand-new skinny framework for creating slide deck
- ⚙️ Marp Core: Easy to start using the core engine and built-in themes via npm
- 📺 Marp CLI: Convert Markdown into HTML, PDF, PPTX, and images
- 🆚 Marp for VS Code: Live-preview your deck while editting
- and more...

How to write slides?

Split pages by horizontal ruler (e.g. `---`). It's very simple.

```
# Slide 1

foobar

---

# Slide 2

foobar
```

Directives

Marp has extended syntax called **"Directives"** to support creating beautiful slides.

Insert front-matter to the top of Markdown:

```
---
theme: default
---
```

or HTML comment to anywhere:

```
<!-- theme: default -->
```

https://marpit.marp.app/directives

Global directives

- `theme` : Choose theme
- `size` : Choose slide size from `16:9` and `4:3` *(except Marpit framework)*
- `headingDivider` : Instruct to divide slide pages at before of specified heading levels

```
---
theme: gaia
size: 4:3
---

# Content
```

> Marp can use built-in themes in Marp Core: `default` , `gaia` , and `uncover` .

Local directives
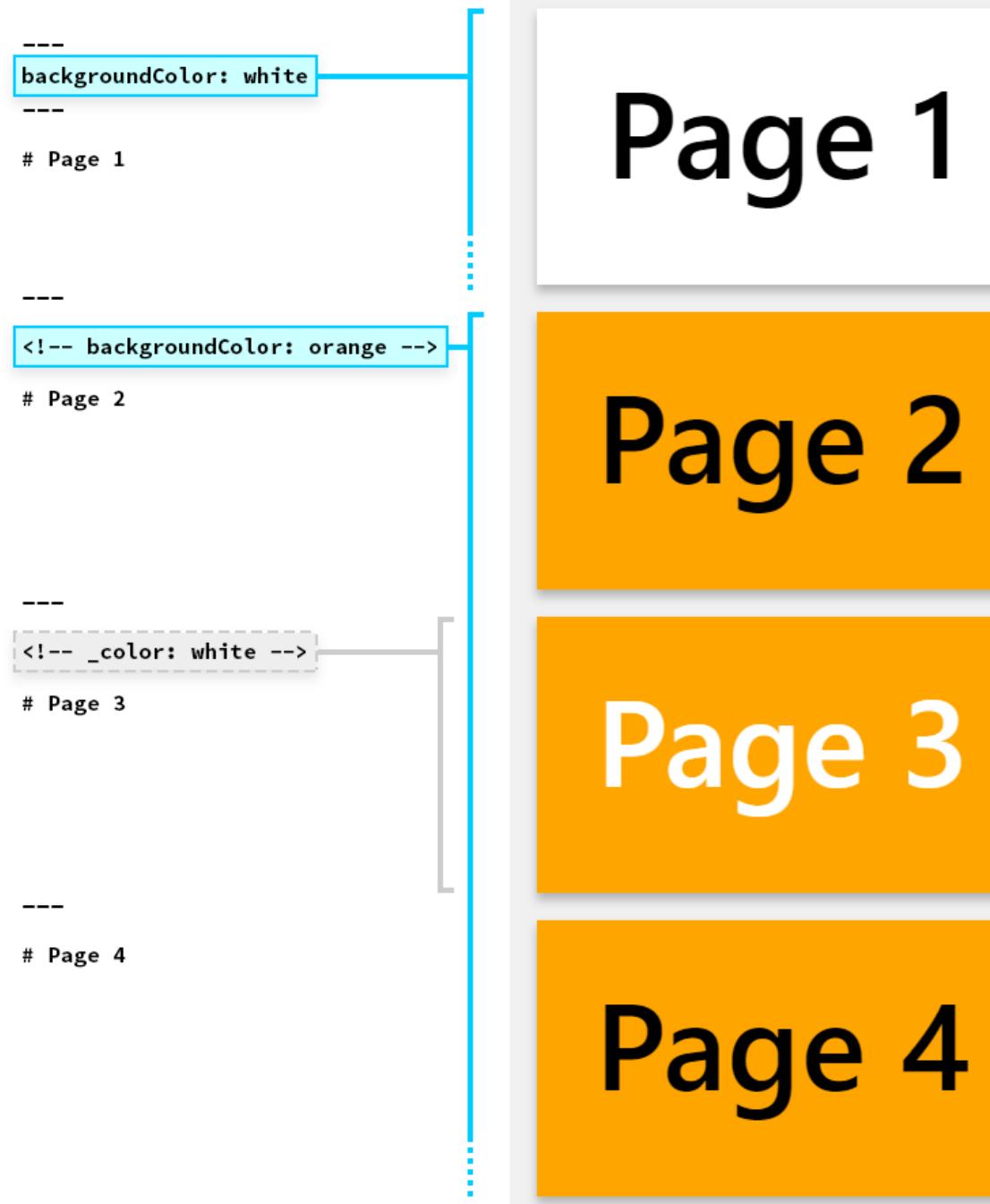
These are the setting value per slide pages.

- `paginate` : Show pagination by set `true`
- `header` : Specify the contents for header
- `footer` : Specify the contents for footer
- `class` : Set HTML class for current slide
- `color` : Set text color
- `backgroundColor` : Set background color

Spot directives

Local directives would apply to **defined page and following pages**.

They can apply to single page by using underscore prefix such as `_class`.

```
---
backgroundColor: white
---

# Page 1
```

```
---
<!-- backgroundColor: orange -->

# Page 2
```

```
---
<!-- _color: white -->

# Page 3
```

```
---

# Page 4
```

Page 1

Page 2

Page 3

Page 4

Example

This page is using invert color scheme defined in Marp built-in theme.

```
<!-- _class: invert -->
```

Image syntax

You can resize image size and apply filters through keywords: `width` (`w`), `height` (`h`), and filter CSS keywords.

```
![width:100px height:100px](image.png)
```

```
![blur sepia:50%](filters.png)
```

Please refer resizing image syntax and a list of CSS filters.

Background image

You can set background image for a slide by using `bg` keyword.

```
![bg opacity](https://yhatt-marp-cli-example.netlify.com/assets/gradient.jpg)
```

Multiple backgrounds (Marpit's advanced backgrounds)

Marp can use multiple background images.

```
![bg blur:3px](https://fakeimg.pl/800x600/fff/ccc/?text=A)
![bg blur:3px](https://fakeimg.pl/800x600/eee/ccc/?text=B)
![bg blur:3px](https://fakeimg.pl/800x600/ddd/ccc/?text=C)
```
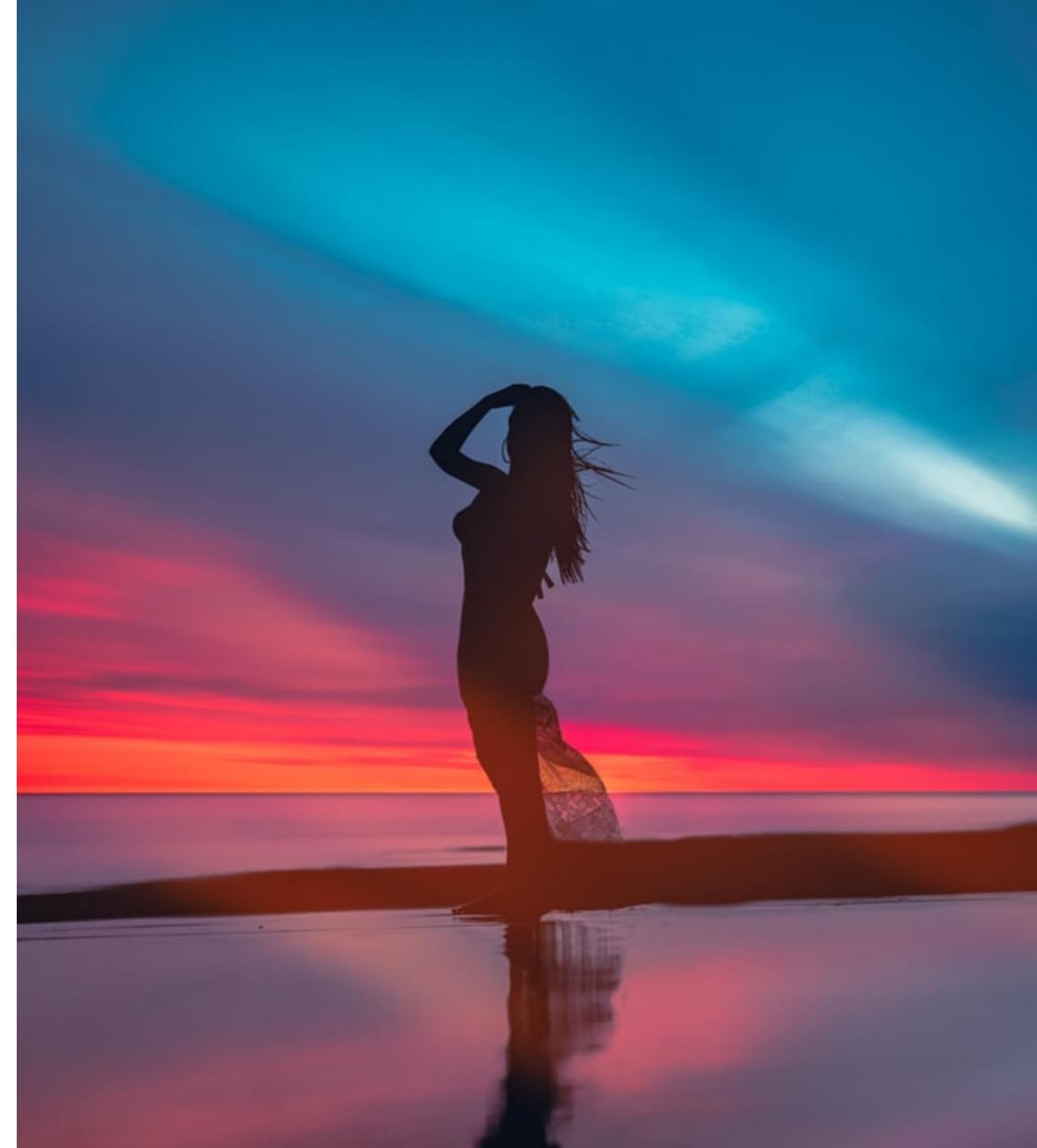
Also can change alignment direction by including `vertical` keyword.

Split background

Marp can use Deckset style split background(s).

Make a space for background by `bg` + `left` / `right` keywords.

```
![bg right](image.jpg)
```

Fragmented list

Marp will parse a list with asterisk marker as the fragmented list for appearing contents one by one. (***Only for exported HTML*** *by Marp CLI / Marp for VS Code*)

```
# Bullet list

- One
- Two
- Three


---

# Fragmented list

* One
* Two
* Three
```

Math typesetting (only for Marp Core)

KaTeX math typesetting such as $ax^2 + bc + c$ can use with Pandoc's math syntax.

$$I_{xx} = \int\int_R y^2 f(x, y) \cdot dydx$$

```
$ax^2+bc+c$
```

```
$$I_{xx}=\int\int_Ry^2f(x,y)\cdot{}dydx$$
```

Auto-scaling (only for Marp Core)

Several built-in themes are supported auto-scaling for code blocks and math typesettings.

```
Too long code block will be scaled-down automatically. ------------>
```

```
Too long code block will be scaled-down automatically. ------------------------>
```

```
Too long code block will be scaled-down automatically. --------------------------------------------->
```

Auto-fitting header (only for Marp Core)

is available by annotating `<!--fit-->` in headings.

```
## <!--fit--> Auto-fitting header (only for Marp Core)
```

Theme CSS

Marp uses `<section>` as the container of each slide. And others are same as styling for plain Markdown. The customized theme can use in Marp CLI and Marp for VS Code.

```css
/* @theme your-theme */

@import 'default';

section {
  /* Specify slide size */
  width: 960px;
  height: 720px;
}

h1 {
  font-size: 30px;
  color: #c33;
}
```

Tweak style in Markdown

`<style>` tag in Markdown will work in the context of theme CSS.

```
---
theme: default
---

<style>
section {
  background: yellow;
}
</style>

Re-painted yellow background, ha-ha.
```

> You can also add custom styling by class like `section.custom-class { ... }`.
> Apply style through `<!-- _class: custom-class -->`.

Scoped style

If you want one-shot styling for current page, you can use `<style scoped>`.

```
<style scoped>
a {
  color: green;
}
</style>

![Green link!](https://marp.app/)
```

Enjoy writing slides! ✌️

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