



## Source

# This is a very savvy headline

.. with some text below

- a bullet point is initiated by single hyphen -
- page numbers on the lower right are globally activated using  
`<!-- paginate: true -->`
- page breaks are caused by triple hyphen ---



## a sub-heading on the 2nd page

a leading underscore `_` in directives applies them locally such that

```
<!-- _paginate: false -->
```

results in page number suppression on this slide only



# layout

## themes

- there are alternative themes such as

```
<!-- theme: gaia -->
```

```
<!-- theme: uncover -->
```

- with classes

```
<!-- class: invert --> for color theme inversion
```

```
<!-- class: lead --> for central alignment in gaia
```

- the aspect ratio of slides is set via

```
size: 16:9 or size: 4:3
```



## header and footer

the global page layout in these slides was set via

```
header: '[&#9671;](#1 " ")'
```

```
footer: 'Slides by [Chris](http://www.christopherhahne.de)'
```



# export slides

1. install node.js from <https://nodejs.org/en/download/> and verify it was successful

```
which node  
node --version
```

2. install marp-cli

```
npm install --save-dev @marp-team/marp-cli
```

3. convert file

```
npx @marp-team/marp-cli your.md --pdf  
npx @marp-team/marp-cli your.md --html  
npx @marp-team/marp-cli your.md --pptx
```



## scientific L<sup>A</sup>T<sub>E</sub>X stuff

inline math delimiters `$` as used in `$\alpha = \arcsin\left(\{s\}\right)$` will render within a sentence as  $\alpha = \arcsin(s)$ . A separated math block employs `$$` delimiters and yields

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



# syntax highlighting

JSON

```
{  
    "firstName": "John",  
    "lastName": "Smith",  
    "age": 25  
}
```

Python

```
for x in "banana":  
    print(x)
```



# tables

Tables	Are	Cool
col 1 is	left-aligned	\$1600
col 2 is	centered	\$12
col 3 is	right-aligned	\$1

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col 1 is	left-aligned	\$1600
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from [https://www.tablesgenerator.com/markdown\\_tables](https://www.tablesgenerator.com/markdown_tables)



# styles

## background paint with font color selection

<!-- backgroundColor: pink --> selects the background

<!-- color: white --> selects the font color



## gradient background

backgrounds may be customized using the following directive

```
<!-- backgroundImage: "linear-gradient(to bottom, #67b8e3, #F288d1)" -->
```



## image insertion



graphics may be defined as

```
! [width:350px](link) &nbsp; ! [height:7cm opacity:.5 blur:2px](link)
```

with horizontal spacings from as many &nbsp; as required



## video links



videos are linked via

```
[![video alt text](img link)](url link "description")
```

and require a media player or stable internet connection at the presentation location



**Split backgrounds with specified size**



## other stylistic markdowns for highlighting include

- `...` from ``...`` as surrounded backticks
- *italic* from `*italic*`
- **bold** from `**bold**`
- ~~strikethrough~~ from `--strikethrough--`
- `>` blockquote from `>`
- `[source link](http://www.website.com)` source link from `[source link]`(<http://www.website.com>)
- and some fancy emojis `💩` from `:shit:` using words surrounded by colons

an emoji compilation for markdown is found below

<https://gist.github.com/rxaviers/7360908>



# Outline

for outline entries you may use `x. [section](#page_num)` as in

1. opening slide
2. layout
3. export slides
4. L<sup>A</sup>T<sub>E</sub>X
5. syntax
6. tables
7. styles



Links for further reading:

<https://marpit.marp.app/directives>

<https://github.com/marp-team/marp-core>

<https://github.com/marp-team/marp-core/tree/master/themes>

<https://marpit.marp.app/image-syntax>

<https://code.visualstudio.com/docs/languages/markdown>