


Chic-header's Manual

Updated for version 0.3.0

Elegant headers and footers for Typst 

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1. Introduction

Chic-headers (chic-hdr) is a Typst package for creating elegant headers and footers, similar as fancyhdr for LaTeX users.

Currently, Chic-header is still on developement, and all the code can be found at its GitHub repository [here](#). New features are welcome. So, if you have an idea that would improve this package, go on and send us the code as a Pull Request.

2. Usage

To use this library through the Typst package manager (for Typst 0.6.0 or greater), write `#import "@preview/chic-hdr:0.3.0": *` at the beginning of your Typst file.

Once imported, you can start using the package by writing the instruction `#show: chic.with()` and giving any of the chic functions inside the parenthesis ()

3. Parameters of `chic()`

In version 0.3.0 all the parameters that the `chic()` function can receive are shown below:

```
#show: chic.with(  
  width: relative length  
  skip: array  
  even: array  
  odd: array  
  .. function  
) body
```

The usage and posible values of all the parameters are listed below.

3.1. Width

Indicates the with of headers and footers in all the document.

Default is 100%.

```
#show: chic.with(  
  width: 70%,  
  chic-header(  
    center-side: "Chic-header example"  
  ),  
  chic-height(on: "header", 1.2cm),  
  chic-separator(1pt)  
)
```

Chic-header example

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequale doleamus

= Introduction

`#lorem(100)`

3.2. Skip

Which pages must be skipped for setting its header and footer. Other properties changed with `chic-height()` or `chic-offset()` are preserved.

Default is `()` (empty array).

```
#show: chic.with(  
  skip: (1,),  
  chic-header(center-side: "Chic-header example"),  
  chic-height(on: "header", 1.2cm),  
  chic-separator(1pt)  
)
```

= Introduction

`#lorem(100)`

Introduction

Lorem ipsum dolor sit amet,
consectetur adipiscing elit, sed do
eiusmod tempor incididunt ut labore
et dolore magnam aliquam quaerat
voluptatem. Ut enim aequi doleamus

Chic-header example

animo, cum corpore dolemus, fieri
tamen permagna accessio potest, si
aliquod aeternum et infinitum
impendere malum nobis opinemur.
Quod idem licet transferre in
voluptatem, ut postea variari voluptas
distinguique possit, augeri

3.3. Even

Header and footer for even pages. Here, only `chic-header()`, `chic-footer()` and `chic-separator()` functions will take effect. Other functions **must** be given as an argument of `chic()`.

If it's `none`, even pages will have their headers and footers with the style and content given as an argument of `chic()`.

Default is `none`.

```
#show: chic.with(  
  even: (  
    chic-header(left-side: [*This is an even page*]),  
  ),  
  chic-header(center-side: "Chic-header example"),
```

```
chic-height(on: "header", 1.2cm),
chic-separator(1pt)
)
```

= Introduction

```
#lorem(100)
```

Chic-header example

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat voluptatem. Ut enim aequaleam

This is an even page

animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri

Chic-header example

amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor

Observation

Remember that in Typst, if you write (2) or ("hi"), it won't be recognized as an array. To avoid that you **must** put a comma (,) after the first element.

Therefore, (2,) and ("hi",) will be recognized as valid array types.

3.4. Odd

Similarly with even it sets the header and footer for odd pages. Here, only `chic-header()`, `chic-footer()` and `chic-separator()` functions will take effect. Other functions **must** be given as an argument of `chic()`.

If it's `none`, odd pages will have their headers and footers with the style and content given as an argument of `chic()`.

Default is `none`.

```
#show: chic.with(
  even: (
    chic-header(left-side: [*This is even*]),
  ),
  odd: (
    chic-header(right-side: [*I'm odd*]),
    chic-separator(1pt + red)
  ),
  chic-height(on: "header", 1.2cm),
)
```

= Introduction

```
#lorem(100)
```

| | |
|---|--|
| <p style="text-align: right;">I'm odd</p> <hr/> <p>Introduction</p> <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequae doleamus</p> | <p>This is even</p> <p>animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri</p> |
|---|--|

3.5. Functions

These are a variable number of arguments that corresponds to Chic-header's style functions. All the functions that can be given are shown in Section 4.

4. Functions for `chic()`

4.1. `chic-header()`

Sets the header content.

```
chic-header(
  v-center: boolean
  side-width: array length relative length
  left-side: string content
  center-side: string content
  right-side: string content
)
```

v-center

Whether to vertically center left-side, center-side, and right-side. This is useful when any of them is higher than the others.

Default is `false`.

side-width

Custom width for the sides. It can be a 3-element-array, `length` or `relative length`.

Default is `none`, and the header will be divided into as many `1fr`-sections as sides are given.

left-side

Content displayed in the left side of the header.

Default is **none**.

center-side

Content displayed in the center of the header.

Default is **none**.

right-side

Content displayed in the right side of the header.

Default is **none**.

```
#show: chic.with(  
  chic-header(  
    left-side: "Example text",  
    center-side: emph(lorem(5)),  
    right-side: chic-page-number()  
  ),  
  chic-separator(1pt),  
)
```

= Introduction

```
#lorem(1000)
```

Example text

Lorem ipsum dolor sit amet.

1

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quam quisque id diam vel quam elementum ac felis. Ut enim aenean ornare velit lacus at augue. Sed ut semper hendrerit dui. Quam id leo in est. Ut elit sed amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quam quisque id diam vel quam elementum ac felis. Ut enim aenean ornare velit lacus at augue. Sed ut semper hendrerit dui. Quam id leo in est.

4.2. `chic-footer()`

Sets the footer content.

```
chic-footer(  
  v-center: boolean  
  side-width: array length relative length  
  left-side: string content  
  center-side: string content  
  right-side: string content  
)
```

v-center

Whether to vertically center left-side, center-side, and right-side. This is useful when any of them is higher than the others.

Default is **false**.

side-width

Custom width for the sides. It can be a 3-element-array, `length` or `relative length`.

Default is `none`, and the footer will be divided into as many `1fr`-sections as sides are given.

left-side

Content displayed in the left side of the footer.

Default is `none`.

center-side

Content displayed in the center of the footer.

Default is `none`.

right-side

Content displayed in the right side of the footer.

Default is `none`.

```
#show: chic.with(  
  chic-footer(  
    v-center: true,  
    left-side: "For more information contact your local lawyer",  
    right-side: chic-page-number()  
  ),  
  chic-separator(1pt),  
  chic-height(2.5cm)  
)
```

= **Introduction**

#lorem(1000)

For more information contact
your local lawyer

1

4.3. `chic-separator()`

Sets the separator for either the header, the footer or both.

Observation

This function will only take effect if the header or the footer are specified (either one of them or both of them).

If a `length` is given, it corresponds to the thickness of a `line()` used as the separator.

If a `stroke` is given, it corresponds to the stroke of a `line()` used as the separator.

Otherwise, if a `content` (e.g. a custom `line()`) is given, that element is used directly as the separator.


```
chic-separator(
  on: string
  outset: relative length
  gutter: relative length
  length stroke content
)
```

on

Where to apply the separator. It can be "header", "footer" or "both".

Default is "both".

outset

Space around the separator beyond the page margins. It's applied in both directions (left and right).

Default is 0pt.

gutter

How much spacing insert around the separator.

Default is 0.65em.

```
#show: chic.with(
  chic-separator(1pt + blue),
  chic-footer(
    center-side: chic-page-number()
  ),
  chic-height(on: "footer", 1.2cm)
)
```

= Introduction

#lorem(1000)

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Quamquam quatrer volutpat. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

4.4. chic-styled-separator()

Returns a pre-made custom separator for using in `chic-separator()`.

```
chic-styled-separator(
  color: color
  string
)
```

color

Color for the separator.

Default is black.

style

A string describing which separator to get. It can be "double-line", "bold-center", "center-dot", or "flower-end".

Examples are shown at right.

The normal usage would be this:

```
#show: chic.with(  
  ...  
  chic-separator(chic-styled-separator("double-line")),  
  ...  
)
```

double-line



bold-center



center-dot



flower-end



4.5. chic-height()

Sets the height of either the header, the footer or both.

```
chic-height(  
  on: string  
  relative length  
)
```

on

Where to change the height. It can be "header", "footer" or "both".

Default is "both".

```
#show: chic.with(  
  chic-height(on: "footer", 2cm),  
  chic-height(on: "header", 6cm),  
  chic-separator(on: "footer", 1pt),  
  chic-footer(  
    center-side: "The header is HUGE!"  
  ),  
  chic-offset(on: "footer", 10%)  
)
```

Introduction

#lorem(1000)

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

The header is HUGE!

4.6. `chic-offset()`

Sets the offset of either the header, the footer or both (relative to the page content).

```
chic-offset(  
  on: string  
  relative length  
)
```

on

Where to change the offset. It can be "header", "footer" or "both".

Header at 50% offset!



Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim aenean aliquam blandit turpis cursus in.

```
#show: chic.with(  
  chic-height(on: "header", 6cm),  
  chic-separator(on: "header", [emoji.star]*5),  
  chic-header(  
    center-side: "Header at 50% offset!"  
  ),  
  chic-offset(on: "header", 50%)  
)
```

4.7. `chic-page-number()`

Returns the current page number. Useful for header and footer sides. It doesn't take any parameters.

```
#show: chic.with(  
  chic-footer(center-side: "Page " + chic-page-number()),  
  chic-height(on: "both", 1cm),  
)
```

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim aenean aliquam blandit turpis cursus in.

Page 1

animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas

Page 2

distinguique possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime

Page 3

4.8. `chic-heading-name()`

Returns the previous heading name. If there's no previous headings, it returns the next heading name. Finally, if there's no headings ahead, it returns nothing.

```
#show: chic.with(
  chic-header(
    left-side: emph(chic-heading-name()),
    right-side: chic-page-number()
  ),
  chic-separator(1pt),
  chic-height(on: "header", 1.5cm),
)
```

= Introduction

```
#lorem(30)
```

== Details

```
#lorem(70)
```

Introduction

1

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequae doleamus animo, cum corpore dolemus, fieri.

Details

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim

Details

2

aeque doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos.