keyle

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This package provides a simple way to style keyboard shortcuts in your documentation.

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https://github.com/magicwenli/keyle

Table of contents

Part I.
About

KEYLE is a library that allows you to create HTML <kbd> like keyboard shorts simple and easy.

The name, keyle, is a combination of key and theme.

This project is inspired by auth0/kbd and dogezen/badgery. Send them respect!

Part II.
Usage

II.1. Importing

KEYLE is imported using

```
#import "@preview/keyle:0.1.0"
```

II.2. Quick Start

Generate a keyboard renderer with #config() function. Section Section III.1 lists available themes.

```
#let kbd = keyle.config()
#kbd("Ctrl","Shift","Alt","Del")

#let kbd = keyle.config(theme: keyle.themes.biolinum, delim: keyle.biolinum-key.delim_plus)
#kbd("Ctrl","Shift","Alt","Del")
```

Ctrl + Shift + Alt + Del

Ctrl + ⇧ + **Alt** + **Del**

There are compact and delim options to make the output more compact and change the delimiter between keys.

You can either use them in #config() function or directly in generated kbd function.

```
#let kbd = keyle.config(compact: true, delim: "-")
#kbd("Ctrl","Shift","Alt","Del")

#let kbd = keyle.config()
#kbd("Ctrl","Shift","Alt","Del", compact: true, delim: "-")
```

Ctrl-Shift-Alt-Del

Ctrl-Shift-Alt-Del

Part III.
Themes

III.1. Built-in Themes

Themes function are available at #keyle.themes dictionary.

#keyle.themes.standard

#keyle.themes.deep-blue

#keyle.themes.type-writer

#keyle.themes.biolinum

III.2. Custom Themes

You can create your own theme by defining a function that takes a string and returns a themed content.

```
// https://www.radix-ui.com/themes/playground#kbd
#let radix_kdb(content) = box(
  rect(
    inset: (x: 0.5em),
    outset: (y:0.05em),
    stroke: rgb("#1c2024") + 0.3pt,
    radius: 0.35em,
    fill: rgb("#fcfcfd"),
     text(fill: black, font: ("Segoe UI (Custom)","Roboto","Helvetica Neue","Open Sans (Custom)","sans-serif","Apple Color Emoji","Segoe UI Emoji"), content),
  ),
)
#let kbd = keyle.config(theme: radix_kdb)
#kbd("⌘ D") #kbd("^⇧ F")
```

⌘ D   ^⇧ F

Part IV.
Symbols

IV.1. Mac Keyboard Symbols

KEYLE provides symbols for Mac keyboard. You may need install Fira Code font to see the symbols correctly.

- Fira Code @ Google Fonts
- Apple Mac Keyboard Symbols

```
#let kbd = keyle.config(theme: keyle.themes.standard)
#let mac-key-font = (
  "Fira Code",
  "FiraCode",
  "FiraCode Nerd Font Mono",
)
#grid(columns: (2fr, 1fr, 2fr, 1fr), rows: 2em,align: horizon, ..keyle.mac-key.pairs().map(item => (
  raw("#keyle.mac-key." + item.at(0)),
  kbd(text(font: mac-key-font, item.at(1))),
)).flatten())
```

#keyle.mac-key.command	⌘	#keyle.mac-key.shift	⇧
#keyle.mac-key.option	⌥	#keyle.mac-key.control	⌃
#keyle.mac-key.return	↵	#keyle.mac-key.delete	⌫
#keyle.mac-key.forward-delete	⌦	#keyle.mac-key.escape	↺
#keyle.mac-key.left	←	#keyle.mac-key.right	→
#keyle.mac-key.up	↑	#keyle.mac-key.down	↓
#keyle.mac-key.pageup	⇳	#keyle.mac-key.pagedown	⇳
#keyle.mac-key.home	↖	#keyle.mac-key.end	↘
#keyle.mac-key.tab-right	⇥	#keyle.mac-key.tab-left	⇤

IV.2. Linux Biolinum Keyboard Symbols

KEYLE provides symbols for Linux Biolinum Keyboard font.

- Linux Biolinum Keyboard

4.2 Linux Biolinum Keyboard Symbols

```
#let kbd = keyle.config(theme: keyle.themes.biolinum)
#grid(columns: (5fr, 3fr, 5fr, 3fr), rows: 2em, align: horizon, ..keyle.biolinum-key.pairs().map(item => (
  raw("#keyle.biolinum-key." + item.at(0)),
  kbd(item.at(1)),
)).flatten())
```

#keyle.biolinum-key.Strg	Strg	#keyle.biolinum-key.Alt	Alt
#keyle.biolinum-key.Ctrl	Ctrl	#keyle.biolinum-key.Shift	⇧
#keyle.biolinum-key.Tab	Tab	#keyle.biolinum-key.Enter	↵
#keyle.biolinum-key.Capslock	⇩	#keyle.biolinum-key.Home	Home
#keyle.biolinum-key.Del	Del	#keyle.biolinum-key.Ins	Ins
#keyle.biolinum-key.End	End	#keyle.biolinum-key.Space	
#keyle.biolinum-key.Esc	Esc	#keyle.biolinum-key.PageUp	Page↑
#keyle.biolinum-key.PageDown	Page↓	#keyle.biolinum-key.Back	←
#keyle.biolinum-key.Pad_0	Pad 0	#keyle.biolinum-key.Pad_1	Pad 1
#keyle.biolinum-key.Pad_2	Pad 2	#keyle.biolinum-key.Pad_3	Pad 3
#keyle.biolinum-key.Pad_4	Pad 4	#keyle.biolinum-key.Pad_5	Pad 5
#keyle.biolinum-key.Pad_6	Pad 6	#keyle.biolinum-key.Pad_7	Pad 7
#keyle.biolinum-key.Pad_8	Pad 8	#keyle.biolinum-key.Pad_9	Pad 9
#keyle.biolinum-key.Pad_Div	Pad ÷	#keyle.biolinum-key.Pad_Add	Pad +
#keyle.biolinum-key.Pad_Sub	Pad −	#keyle.biolinum-key.Pad_Mul	Pad ×
#keyle.biolinum-key.Pad_Enter	Pad ↵	#keyle.biolinum-key.delim_plus	+
#keyle.biolinum-key.delim_minus	−	#keyle.biolinum-key.Win	⊞
#keyle.biolinum-key.GNU	🐃	#keyle.biolinum-key.Tux	🐧
#keyle.biolinum-key.Mac_Cmd	⌘	#keyle.biolinum-key.Mac_Opt	⌥
#keyle.biolinum-key.Mac_FDel	⌦	#keyle.biolinum-key.Mac_Del	⌫

Part V.
Available commands

#config()   #theme-func-deep-blue()   #theme-func-type-writer()
#theme-func-biolinum()   #theme-func-stardard()

#**theme-func-stardard**(⟨**sym**⟩) ⟶ `content`

Theme function to render keys in a standard style.

```
#let kbd = keyle.config(theme: keyle.themes.standard)
#keyle.gen-examples(kbd)
```

Ctrl + Alt + A   Ctrl+Shift+A   Home End Ins Del

─ Argument ─

⟨sym⟩   str

The key symbol to render.

#**theme-func-deep-blue**(⟨**sym**⟩) ⟶ `content`

Theme function to render keys in a deep blue style.

```
#let kbd = keyle.config(theme: keyle.themes.deep-blue)
#keyle.gen-examples(kbd)
```

CTRL + ALT + A   CTRL+SHIFT+A   HOME END INS DEL

─ Argument ─

⟨sym⟩   str

The key symbol to render.

#**theme-func-type-writer**(⟨**sym**⟩) ⟶ `content`

Theme function to render keys in a type writer style.

```
#let kbd = keyle.config(theme: keyle.themes.type-writer)
#keyle.gen-examples(kbd)
```

CTRL + ALT + A   CTRL+SHIFT+A   HOME END INS DEL

─ Argument ─

⟨sym⟩   str

The key symbol to render.

#**theme-func-biolinum**(⟨**sym**⟩) ⟶ `content`

Theme function to render keys in a Linux Biolinum Keyboard style.

You need to have the font installed on your system.

```
#let kbd = keyle.config(theme: keyle.themes.biolinum, delim: keyle.biolinum-key.delim_plus)
#keyle.gen-examples(kbd)
```

⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

Ctrl + Alt + A   Ctrl + ⇧ + A   Home End Ins Del

┌─ Argument ──┐
│ ⟨sym⟩   str │
│   │
│   The key symbol to render.   │
└───┘

#**config**(⟨**theme**⟩: **"themes.standard"**, ⟨**compact**⟩: **false**, ⟨**delim**⟩: **"+"**) ⟶ function
    Config function to generate keyboard rendering helper function.

┌─ Argument ──┐
│ ⟨theme⟩: "themes.standard"   function │
│   │
│   The theme function to use.   │
└───┘

┌─ Argument ──┐
│ ⟨compact⟩: false   bool │
│   │
│   Whether to render keys in a compact format.   │
└───┘

┌─ Argument ──┐
│ ⟨delim⟩: "+"   str │
│   │
│   The delimiter to use when rendering keys in compact format. │
└───┘

Part VI.
Index

C

T