

Personnaliser ses documents Quarto

À la découverte de `_brand.yml`

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Posit PBC

20 mai 2025

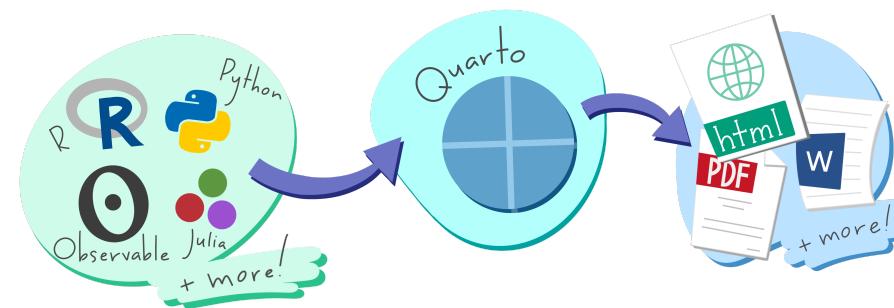




Un système de publication scientifique et technique open-source, intégrant l'exécution de code.

Quarto est l'évolution de R Markdown

- il unifie et améliore l'écosystème R Markdown, pour les utilisateurs R.
- il l'étend pour les personnes qui ne connaissent pas R Markdown (Python, Julia, Observable, ...)



Produire des HTML



Produire des HTML

format: html



How Gen Z and Millennials are Choosing Pulse Mobile: Plan Flexibility & Community Impact (Q1 2025)

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Intro

Pulse Mobile's rapid growth among Gen Z and Millennials reflects our commitment to transparent pricing, flexible plans, and genuinely impactful community initiatives that connect with the 18-30 demographic where they live, work, and play.

Q1 2025 Pulse Performance

Pulse Mobile Sign-ups & Community Engagement

Q1-Q2 2025 Performance Metrics

	Most Popular Plan	Total Sign-ups	Community Events	Event Participants	Satisfaction Score	Event Engagement Rate
JANUARY	Flex	243	3	87	4.2	11.9%
FEBRUARY	Flex	298	4	105	4.3	8.8%
MARCH	Unlimited	355	5	138	4.5	7.8%
APRIL	Community	437	7	210	4.6	6.9%
MAY	Unlimited	426	6	195	4.4	7.6%
JUNE	Community	455	8	270	4.7	7.4%

Growth Trends

Monthly Sign-ups by Age Group



Produire des PDF



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format: typst



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Déjà bien, mais...

Les organisations ont besoin de **personnaliser** leurs documents selon leur **charte graphique**.

The image shows the eBay Playbook homepage. At the top, there's a navigation bar with links for 'Get started', 'Brand strategy', 'Foundations', 'Design system', 'Expressions', 'Tools & resources', and icons for user profile, search, and help. The main feature is a large, bold, black text headline: 'One system for everyone to love.'. Below the headline is a smaller, dark gray text box containing the following paragraph: 'eBay Evo is our brand and design system, created so we show up consistently all around the world with the flexibility to strengthen local market relevance.' At the bottom left, there's a call-to-action button labeled 'Read press release'.

The screenshot shows the Carbon Design System website. The header features the "Carbon Design System" logo and a search bar. A sidebar on the left contains links for "All about Carbon", "Case studies", "What's happening", "Designing", "Developing", "Contributing", "Migrating", "Guidelines", "Components", "Patterns", "Community assets", "Data visualization", and "Help". Below these are "GitHub" and "Dribbble" links. The main content area has a large geometric graphic with purple, blue, and white shapes. Overlaid on the graphic is a large blue "11". In the bottom right corner of the graphic, there is a callout box with the text "Migrate to Carbon v11" and a small arrow pointing right. At the bottom of the page, there is a footer section with the "Carbon Design System" logo and a brief description: "Carbon is IBM's open source design system for products and digital experiences. With the IBM Design Language as its foundation, the system consists of working code, design tools and resources, human interface guidelines, and a vibrant community of contributors."

The screenshot shows the Primer Design System website. The top navigation bar includes links for Brand, About, and a search bar. The left sidebar contains a hierarchical navigation menu with sections like Basics, Introduction, Figma, Development, Component Lifecycle, Component Status, Accessibility, Contribute, Foundations, Color, Responsiveness, CSS Utilities, Layout, Typography, Icons and Visuals, Patterns, Empty States, Feature Onboarding, Forms, Messaging, Progressive Disclosure, Sealing, Components, Action Bar, Action Set, and Foundation. The main content area features a large title "Primer Design System" above three wireframe-style diagrams illustrating design patterns. Below the diagrams, a paragraph describes Primer as a set of guidelines, principles, and patterns for designing and building UI at GitHub. A "Guides" section is visible, along with a "Standards, guidelines, and tools to getting started with Primer".

X Mozilla Protocol

16.0.1

DOCUMENTATION

- Fundamentals
- Usage
- Contributing

COMPONENTS

- Article
- Basic Elements
- Billboard
- Browsing
- Headlines
- Buttons
- Call Out
- Card
- Complex Call Out
- Details Component
- Download Button
- Emphasis Box
- Feature Card
- Footer
- Form
- Item
- Language Switcher
- Layout
- Menu List
- Modal
- Navigation
- Newsletter
- Notification Bar

Mozilla Protocol

Protocol is a design system for Mozilla and Firefox websites. It establishes a common design language, provides reusable coded components, and outlines high level guidelines for content and accessibility.

Protocol is still an evolving project. Currently it's used primarily by the Mozilla Marketing Websites team as the front-end for www.mozilla.org. The long-term goal is to provide a robust, unified design system that anyone at Mozilla can use to build an on-brand website.

If you're interested in using Protocol on your project, let us know and we can help you. You can find us in [Protocol-design-system](#) on Mozilla's Slack (for Mozilla) or in [Protocol-design-system](#) on Matrix (open to the public). Also feel free to [file an issue](#) on [GitHub](#).

 brand.yml About Structure ▾ Inspiration Articles Packages ▾
 **BRAND YML**

About
Structure
Brand Elements
Metadata
Logo
Color
Typography
Defaults

▼



BRAND.YML

Unified branding with a simple YAML file

Create reports, apps, dashboards, plots and more that match your company's brand guidelines with a single `_brand.yml` file.

Introducing brand.yml

brand.yml is a simple, portable YAML file that codifies your company's brand guidelines into a format that can be used by Quarto, Python and R tooling to create branded outputs. Our goal is to support unified, branded theming for all

The Dell Design System is a unified design language to support Dell's digital universe—ensuring design is accessible, inclusive, and useful.

Introducing Version 2

The Dell Design System is a reimagining of Dell's existing design system. We've rebuilt our elements from the ground up, creating designs that yield greater flexibility. We've written reusable front-end code along with design guidance and



The screenshot shows the Adobe Spectrum website. The left sidebar includes links for search, Spectrum, Foundation, Content, Components, Patterns, Tools and resources, and Support. The main content area features a large heading "Meet Spectrum, Adobe's design system" with a subtext explaining its purpose. Below the heading is a blue-themed graphic illustrating various design elements like a grid, shapes, and icons.

Meet Spectrum, Adobe's design system

Spectrum provides components and tools to help product teams work more efficiently, and to make Adobe's applications more cohesive.

Principles

Get to know our foundational thinking and how we put it into action across our design system.

Resources

Download resources to help you design faster and with more precision.

Implementations

Use our open-source implementations, in partnership with the detailed usage guidelines here.

The image shows the homepage of the Repsol Oxygen website. It features a large orange header with the Repsol logo and the word "Oxygen". Below the header, there's a main title "Bienvenido a Oxygen" and a sub-section titled "¿Qué es Oxygen?". The main content area has a dark blue background with white text, featuring a paragraph about Oxygen being a digital design system and a call-to-action button "¡Dale un vistazo!". At the bottom, there's a section titled "Una herramienta común entre diseño y tecnología" with a sub-paragraph about how Oxygen helps companies create better products and generate new energy models. To the right, there are two large, stylized icons representing energy and technology.

The screenshot shows the Helsinki Design System website. At the top left is the 'Helsinki' logo with a small icon. Below it is a search bar with placeholder text 'Type to search...'. To the right is a large heading 'Helsinki Design System' and a detailed description of the system's purpose. On the far left is a vertical navigation menu with sections like 'Getting started', 'Tutorials', 'Guidelines', etc., each with a dropdown arrow. The main content area has three large cards: 'Introduction' (grey background), 'For Designers' (yellow background with a wrench icon), and 'For Developers' (green background with a code icon). Below these is another card 'Contributing' (blue background with a document icon).

Prenons un exemple

<https://cderv.github.io/rr2025-quarto-brand-yml/>

Prenons un exemple





Brand Guidelines



Pulse Mobile is a vibrant, disruptive mobile service provider that understands how



BRAND.YML



Produire des HTML avec `_brand.yml`



Produire des HTML avec `_brand.yml`

```
---  
format: html  
---
```



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Typst



Produire des PDF avec _brand.yml

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```
---  
format: typst  
---
```



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Month	Plan Type	Count	Count	Count	Score	Percentage
January	Flex	243	3	87	4.2	11.9%
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April	Community	437	7	210	4.6	6.9%
May	Unlimited	426	6	195	4.4	7.6%
June	Community	455	8	270	4.7	7.4%

_brand.yml

1. Créez un fichier `_brand.yml` dans votre projet
2. Définissez les couleurs, les polices, les logos, etc.
3. Il pourra être utilisé par tous les outils supportant `_brand.yml`

_brand.yml

meta:

meta  Spec

Information de l'organisation, nom de l'entreprise, URLs, etc.

_brand.yml

meta:

color:

meta  Spec

Information de l'organisation, nom de l'entreprise, URLs, etc.

color  Spec

Palette de couleurs de l'image de marque de l'organisation.



_brand.yml

meta:

color:

typography:

meta  Spec

Information de l'organisation, nom de l'entreprise, URLs, etc.

color  Spec

Palette de couleurs de l'image de marque de l'organisation.

typography  Spec

Polices pour les différents éléments.



_brand.yml

meta:

color:

typography:

logo:

meta  **Spec**

Information de l'organisation, nom de l'entreprise, URLs, etc.

color  **Spec**

Palette de couleurs de l'image de marque de l'organisation.

typography  **Spec**

Police pour les différents éléments.

logo  **Spec**

Logos pour l'image de marque de l'organisation.



_brand.yml

meta:

color:

typography:

logo:

defaults:

meta  Spec

Information de l'organisation, nom de l'entreprise, URLs, etc.

color  Spec

Palette de couleurs de l'image de marque de l'organisation.

typography  Spec

Polices pour les différents éléments.

logo  Spec

Logos pour l'image de marque de l'organisation.

defaults  Spec

Options pour le support spécifique par des outils utilisant _brand.yml

Pulse Mobile Brand

_brand.yml

```
1 meta:  
2   name: Pulse Mobile  
3   link: https://pulse.mobile  
4  
5 color:  
6   palette:  
7     purple: "#8a2be2"  
8     blue: "#00c2ff"  
9     green: "#4dc964"  
10    yellow: "#ffd600"
```



Pulse Mobile Brand

```
_brand.yml
```

```
5 color:  
6   palette:  
7     purple: "#8a2be2"  
8     blue: "#00c2ff"  
9     green: "#4dc964"  
10    yellow: "#ffd600"  
11    red: "#ff5a5f"  
12    black: "#121212"  
13    white: "#f8f8f8"  
14  primary: purple
```



Pulse Mobile Brand

_brand.yml

```
10      yellow: "#ffd600"
11      red: "#ff5a5f"
12      black: "#121212"
13      white: "#f8f8f8"
14      primary: purple
15      info: blue
16
17  typography:
18    fonts:
19      - family: Montserrat Alternates
```



Pulse Mobile Brand

_brand.yml

```
16
17 typography:
18   fonts:
19     - family: Montserrat Alternates
20       source: google
21     - family: Montserrat
22       source: google
23     - family: Space Mono
24       source: google
25   base: Montserrat
```



Pulse Mobile Brand

```
_brand.yml
23   family: space mono
24     source: google
25   base: Montserrat
26   headings:
27     family: Montserrat Alternates
28     weight: 500
29   monospace: Space Mono
30   monospace-inline:
31     color: purple
32
33 logo:
```



Pulse Mobile Brand

```
_brand.yml
50   monospace-mode.
31     color: purple
32
33 logo:
34   images:
35     full-color: logos/logomark-full-color.png
36     med-color: logos/logomark-med-color.png
37     icon-color: logos/icon-color.png
38   small: icon-color
39   medium: med-color
40   large: full-color
```



Pulse Mobile Brand

_brand.yml

```
31     color: purple
32
33 logo:
34   images:
35     full-color: logos/logomark-full-color.png
36     med-color: logos/logomark-med-color.png
37     icon-color: logos/icon-color.png
38   small: icon-color
39   medium: med-color
40   large: full-color
```





_brand.yml avec Quarto

<https://cderv.github.io/rr2025-quarto-brand-yml/>



_brand.yml avec Quarto

Pris en compte par défaut

À mettre à la racine du projet Quarto

- .
- └── report.qmd
- └── _brand.yml
- └── _quarto.yml

Si le fichier existe, il est automatiquement utilisé par Quarto.

_brand.yml avec Quarto

Configurations possibles

Dans le document ou le [_quarto.yml](#)

```
# fichier à une place différente  
brand: brand/_brand.yml
```

```
# fichier avec un nom différent  
brand: brand/_brand-pulse.yml
```

```
# désactiver  
brand: false
```

_brand.yml avec Quarto

Configurations possibles

Dans le document directement

```
brand:  
  color:  
    palette:  
      purple: "#8a2be2"  
    primary: purple  
  typography:  
    fonts:  
      - family: Montserrat Alternates  
        source: google  
  headings:  
    family: Montserrat Alternates  
    weight: 500
```

Support spécifique à Quarto

Intégration avec les thèmes Quarto

Quarto Themes pour format: html.

theme:

- cosmo # Un thème bootswatch
- tweaks.scss # Une personnalisation par l'utilisateur

Intégration avec les thèmes Quarto

Quarto Themes pour format: html.

équivalent avec un `_brand.yml`

theme:

- brand # theme dérivé du `_brand.yml`
- cosmo # Un thème bootswatch
- tweaks.scss # Une personnalisation par l'utilisateur

Intégration avec les thèmes Quarto

Quarto Themes pour format: html.

équivalent avec un `_brand.yml`

mais l'ordre peut être important → [Quarto Themes Layering](#)

```
theme:  
  - cosmo      # Un thème bootswatch  
  - brand       # theme dérivé du `_brand.yml`  
  - tweaks.scss # Une personnalisation par l'utilisateur
```



Thèmes Clair et Sombre pour HTML

<https://cderv.github.io/rr2025-quarto-brand-yml/>



Thèmes Clair et Sombre pour HTML

theme:

light: flatly
dark: darkly



Thèmes Clair et Sombre pour HTML

theme:

```
light: flatly  
dark: darkly
```

brand:

```
light: light-brand.yml  
dark: dark-brand.yml
```

brand:

light:

```
color:  
  background: "#ffffff"  
  foreground: "#333333"
```

dark:

```
color:  
  background: "#333333"  
  foreground: "#ffffff"
```

Support pour PDF avec Typst

Typst CSS

Une fonctionnalité Quarto 1.5 qui permet de convertir des propriétés CSS en propriétés Typst.

Avantage → Style similaire entre format HTML et format Typst.

Exemple (Typst à gauche / HTML à droite)

Solar Zenith Angles from 05:30 to 12:00														
Average monthly values at latitude of 20°N.														
	0530	0600	0630	0700	0730	0800	0830	0900	0930	1000	1030	1100	1130	1200
jan														
	84.9	78.7	72.7	66.1	61.5	56.5	52.1	48.3	45.5	43.6	43.0			
feb	88.9	82.5	75.8	69.6	63.3	57.7	52.2	47.4	43.1	40.0	37.8	37.2		
mar	85.7	78.8	72.0	65.2	58.6	52.3	46.2	40.5	35.5	31.4	28.6	27.7		
apr	88.5	81.5	74.4	67.4	60.3	53.4	46.5	39.7	33.2	26.9	21.3	17.2	15.5	
may	85.0	78.2	71.2	64.3	57.2	50.2	43.2	36.1	29.1	26.1	15.2	8.8	5.0	
jun	89.2	82.7	76.0	69.3	62.5	55.7	48.8	41.9	35.0	28.1	21.1	14.2	7.3	2.0
Jul	88.8	82.3	75.7	69.1	62.3	55.5	48.7	41.8	35.0	28.1	21.2	14.3	7.7	3.1
aug	83.8	77.1	70.2	63.3	56.4	49.4	42.4	35.4	28.3	21.3	14.3	7.3	1.9	
sep	87.2	80.2	73.2	66.1	59.1	52.1	45.1	38.1	31.3	24.7	18.6	13.7	11.6	
oct														
	84.1	77.1	70.2	63.3	56.5	49.9	43.5	37.5	32.0	27.4	24.3	23.1		
nov	87.8	81.3	74.5	68.3	61.8	56.0	50.2	45.3	40.7	37.4	35.1	34.4		
dec														
	84.3	78.0	71.8	66.1	60.5	55.6	50.9	47.2	44.2	42.4	41.8			

Typst

Solar Zenith Angles from 05:30 to 12:00														
Average monthly values at latitude of 20°N.														
	0530	0600	0630	0700	0730	0800	0830	0900	0930	1000	1030	1100	1130	1200
jan														
	84.9	78.7	72.7	66.1	61.5	56.5	52.1	48.3	45.5	43.6	43.0			
feb	88.9	82.5	75.8	69.6	63.3	57.7	52.2	47.4	43.1	40.0	37.8	37.2		
mar	85.7	78.8	72.0	65.2	58.6	52.3	46.2	40.5	35.5	31.4	28.6	27.7		
apr	88.5	81.5	74.4	67.4	60.3	53.4	46.5	39.7	33.2	26.9	21.3	17.2	15.5	
may	85.0	78.2	71.2	64.3	57.2	50.2	43.2	36.1	29.1	26.1	15.2	8.8	5.0	
jun	89.2	82.7	76.0	69.3	62.5	55.7	48.8	41.9	35.0	28.1	21.1	14.2	7.3	2.0
Jul	88.8	82.3	75.7	69.1	62.3	55.5	48.7	41.8	35.0	28.1	21.2	14.3	7.7	3.1
aug	83.8	77.1	70.2	63.3	56.4	49.4	42.4	35.4	28.3	21.3	14.3	7.3	1.9	
sep	87.2	80.2	73.2	66.1	59.1	52.1	45.1	38.1	31.3	24.7	18.6	13.7	11.6	
oct														
	84.1	77.1	70.2	63.3	56.5	49.9	43.5	37.5	32.0	27.4	24.3	23.1		
nov	87.8	81.3	74.5	68.3	61.8	56.0	50.2	45.3	40.7	37.4	35.1	34.4		
dec														
	84.3	78.0	71.8	66.1	60.5	55.6	50.9	47.2	44.2	42.4	41.8			

HTML

Typst CSS

Adaptation pour `_brand.yml`

- Variable pour template: `brand-color` et `brand-background-color`
Exemple: Rectangle avec la couleur primaire

```
```{=typst}
#rect(fill: brand-color.primary)
```
```

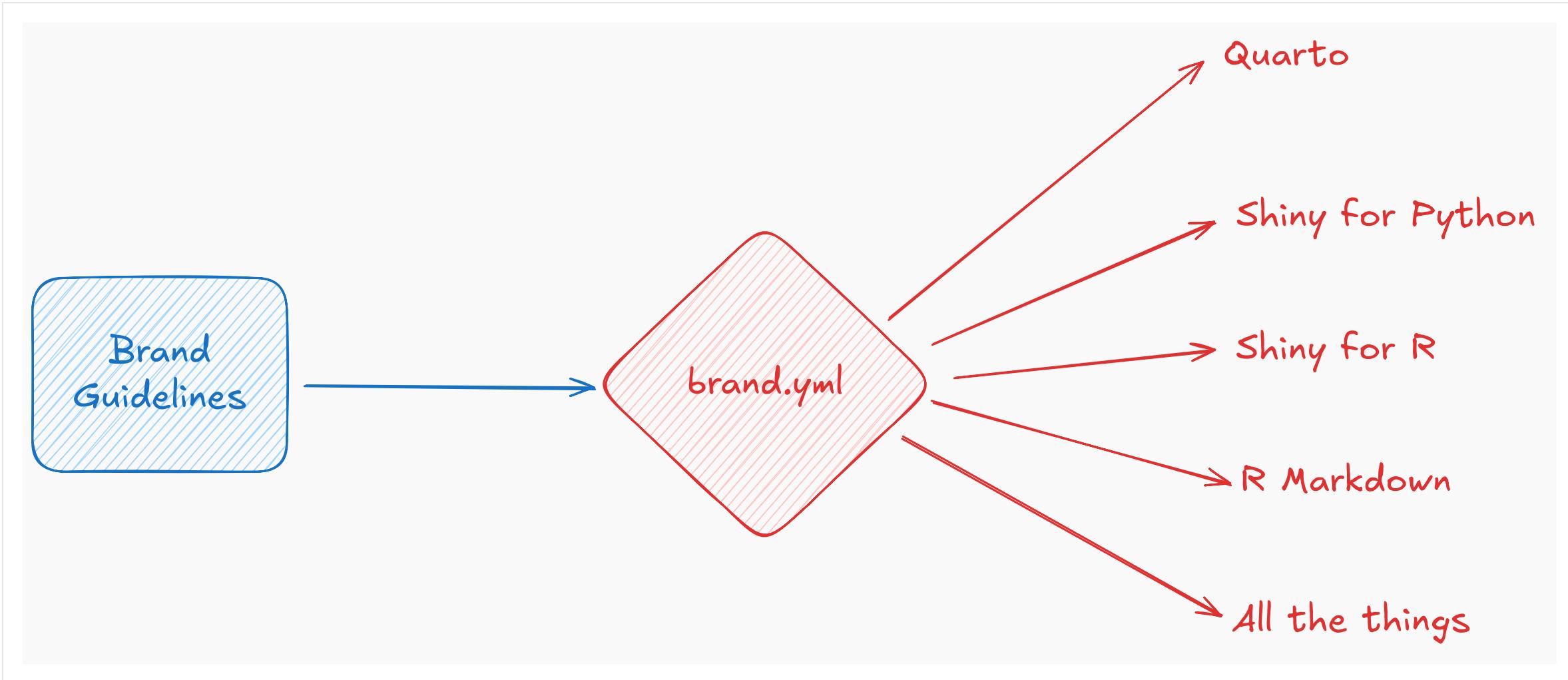
- choix du mode sombre ou clair à utiliser

```
brand:
  light: light-brand.yml
  dark: dark-brand.yml
```

```
format:
  typst:
    brand-mode: dark
```

Pour résumer

<https://cderv.github.io/rr2025-quarto-brand-yml/>





Un seul fichier à réutiliser

<https://cderv.github.io/rr2025-quarto-brand-yml/>



Un seul fichier à réutiliser



Quarto: document, websites, slides

Un seul fichier à réutiliser



Quarto: document, websites, slides



Shiny for R & Shiny for Python

Un seul fichier à réutiliser



Quarto: document, websites, slides



Shiny for R & Shiny for Python



bslib

Un seul fichier à réutiliser



Quarto: document, websites, slides



Shiny for R & Shiny for Python



bslib



Rapports R Markdown



Sites web de documentation de package avec `pkgdown`

<https://cderv.github.io/rr2025-quarto-brand-yml/>

Un seul fichier à réutiliser

Avec des options communes

- Respect de la spécification `_brand.yml`
- Supports spécifiques
 - `brand.defaults.bootstrap` pour Quarto et Shiny
 - `brand.defaults.shiny.theme` pour Shiny

Un seul fichier à réutiliser

lire `_brand.yml` avec `bslib`

```
brand <- attr(bslib::bs_theme(), "brand")
```

Un seul fichier à réutiliser

```
lire _brand.yml avec bslib
```

```
brand <- attr(bslib::bs_theme(), "brand")
```

```
avec gt
```

```
gt_tab |>  
  gt::tab_style(  
    style = cell_fill(color = brand$color$palette$blue),  
    locations = cells_title()  
) |>  
  tab_style(  
    style = cell_text(color = brand$color$palette$purple),  
    locations = cells_stub()  
)
```



Un seul fichier à réutiliser

```
lire _brand.yml avec bslib
```

```
brand <- attr(bslib::bs_theme(), "brand")
```

```
avec ggplot2
```

```
ggplot_object +
  scale_color_manual(
    values = c("Participants" = brand$color$palette$blue),
    name = NULL
  ) +
  scale_fill_manual(
    values = c("Events" = brand$color$palette$purple),
    name = NULL
  )
```



Un seul fichier à éditer

<https://cderv.github.io/rr2025-quarto-brand-yml/>





Un seul fichier à éditer

- **Positron, VS Code, RStudio**



Un seul fichier à éditer

- Positron, VS Code, RStudio
- brand_yml Python 

Un seul fichier à éditer

- Positron, VS Code, RStudio
- brand_yml Python 
- brand.yml R  (en projet)

En savoir plus sur brand.yml

- posit-dev.github.io/brand-yml
- posit-dev/brand-yml
- posit.co/blog/unified-branding...



Questions?

Merci!

And thanks to [Garrick Aden-Buie](#) letting me reuse part of '[Theming Made Easy: Introducing Brand YAML for Shiny](#)' examples.

