PDF, Typst and EPUB

Custom callouts keep their colors and icons in PDF, Typst and EPUB output, not just in HTML and RevealJS.

Examples

To do

Draft the summary.

Great job!

A FontAwesome icon.

Test feature

A colored callout without an `icon-symbol` shows a warning triangle in its color.

A heading as the title

A heading at the top of a callout becomes its title in every format.

What each format supports

Format	`color`	FontAwesome icons	Emoji and other symbols
HTML and RevealJS	Yes	Yes	Yes
PDF	Yes	Yes, from Font Awesome 5	Plain ASCII text only
Typst	Yes	Yes, from Font Awesome 6	Yes, when a font has them
EPUB	Yes	No	Yes

- **Colors.** Hex colors, CSS color names such as `"pink"`, and `rgb()` colors work in every format. Other CSS colors, such as `hsl()`, work in HTML and RevealJS. Elsewhere the callout keeps Quarto's default color, and the render log has a warning.
- **Icons that can't be shown.** When a format can't show an icon, a colored callout shows the warning triangle instead, and the render log has a warning.
- **PDF** uses the `fontawesome5` LaTeX package, which has the Font Awesome 5 icons. An icon is found under any of its names, so `fa-house` shows Font Awesome 5's `home` icon. An icon added after Font Awesome 5 shows the warning triangle.
- **EPUB** can't show FontAwesome icons, because they need the Font Awesome fonts, which an extension can't add to an EPUB.
- **GitHub Markdown** (`format: gfm`) has only five alert types, so a custom callout becomes a `> [!NOTE]` alert with the callout's title.
- **Word** output shows custom callouts with Quarto's default styling.

Different icons for each format

Settings under a format replace the ones at the top level for that format only. This page uses Font Awesome icons, which EPUB can't show, so its EPUB version uses emoji instead:

```yaml
---
title: "PDF, Typst and EPUB"
custom-callout:
  todo:
    title: "To do"
    icon-symbol: "fa-pen-to-square"
    color: "pink"
  thumbs-up:
    title: "Great job!"
    icon-symbol: "fa-thumbs-up"
    color: "#008000"
  test:
    title: "Test feature"
    color: "#801410"
format:
  html:
    toc: true
  pdf: default
  typst:
    output-file: qcustom-callout-formats-typst.pdf
  epub:
    custom-callout:
      todo:
```

```
        icon-symbol: " "
      thumbs-up:
        icon-symbol: " "
filters:
  - custom-callout
---
```