org-special-block-extras

Musa Al-hassy

April 16, 2020

Contents

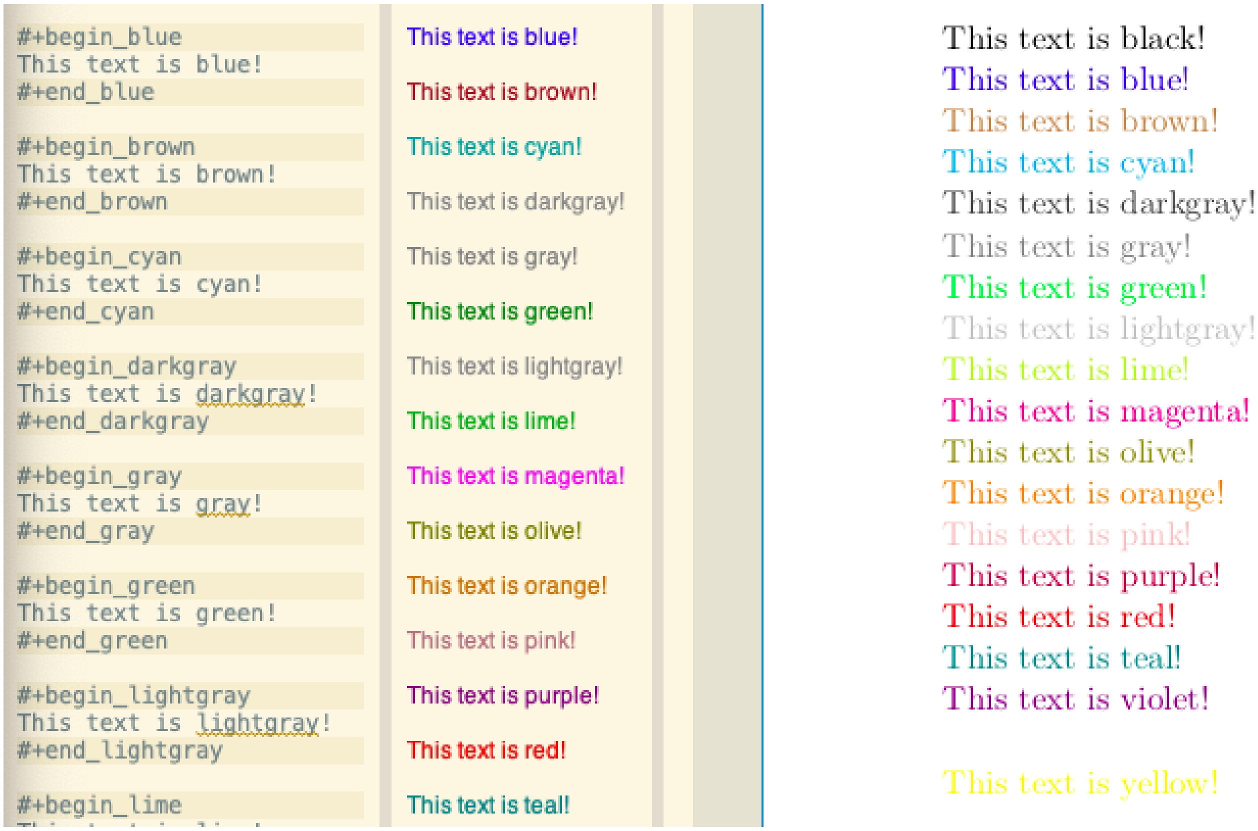
1 Example Use

User type something along the lines of the following.

```
#+begin_red org
/This/
      *text*
             _is_
                  red!
#+end_red
```

Which generates *red* text when exported to HTML and LaTeX, **while supporting Org markup**.

This article may be read as a PDF or as HTML or as pure Org!



```
#+begin_blue
This text is blue!
#+end_blue

#+begin_brown
This text is brown!
#+end_brown

#+begin_cyan
This text is cyan!
#+end_cyan

#+begin_darkgray
This text is darkgray!
#+end_darkgray

#+begin_gray
This text is gray!
#+end_gray

#+begin_green
This text is green!
#+end_green

#+begin_lightgray
This text is lightgray!
#+end_lightgray

#+begin_lime
```

This text is blue!
This text is brown!
This text is cyan!
This text is darkgray!
This text is gray!
This text is green!
This text is lightgray!
This text is lime!
This text is magenta!
This text is olive!
This text is orange!
This text is pink!
This text is purple!
This text is red!
This text is teal!

This text is black!
This text is blue!
This text is brown!
This text is cyan!
This text is darkgray!
This text is gray!
This text is green!
This text is lightgray!
This text is lime!
This text is magenta!
This text is olive!
This text is orange!
This text is pink!
This text is purple!
This text is red!
This text is teal!
This text is violet!

This text is yellow!

Figure 1: Write Org-markup once, generate for many backends ^_^

This text is black!
This text is blue!
This text is brown!
This text is cyan!
This text is darkgray!
This text is gray!
This text is green!
This text is lightgray!
This text is lime!
This text is magenta!
This text is olive!
This text is orange!
This text is pink!
This text is purple!
This text is red!
This text is teal!
This text is violet!

This text is yellow!
The remaining sections are implementation matter.

2 Core Utility

```
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;; Core utility
```

```
(defun org-special-block-extras/advice (backend blk contents info)
  "Apply the formatting function ORG-SPECIAL-BLOCK-EXTRAS/TYPE if
   it is defined."
  (let* ((type    (nth 1 (nth 1 blk)))
         (handler (intern (format "org-special-block-extras/%s" type))))
    (ignore-errors (apply handler backend contents nil))))

(advice-add #’org-html-special-block :before-until
            (-partial #’org-special-block-extras/advice ’html))

(advice-add #’org-latex-special-block :before-until
            (-partial #’org-special-block-extras/advice ’latex))
```

3 Colours

```
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;;
;; Load support for 19 colour custom blocks

(defvar org-special-block-extras/colors
  ’(black blue brown cyan darkgray gray green lightgray lime
          magenta olive orange pink purple red teal violet white
          yellow)
  "Colours that should be available on all systems.")

(loop for colour in org-special-block-extras/colors
      do (eval (read (format
                      "(defun org-special-block-extras/%s (backend contents)
                     (format (pcase backend
                     (‘latex \"\\\\begingroup\\\\color{%s}%%s\\\\endgroup\")
                     (‘html  \"<div style=\\\"color:%s;\\\">%%s</div>\")
                     (t      \"org-special-block-extras: Unsupported backend\"))
                     contents))"
                      colour colour colour))))
```