

# Package: grkstyle (via r-universe)

July 19, 2024

**Title** A Tidy R Code Style

**Version** 0.2.1

**Description** A tidy code style building on the tidyverse code style guidelines but with a small changes for consistent line breaks and indentation. Enforces line breaks, if there are any initially between arguments in function calls and left-indent arguments in function definitions. Defaults to tabs, not spaces.

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**URL** <https://github.com/gadenbuie/grkstyle>

**BugReports** <https://github.com/gadenbuie/grkstyle/issues>

**Imports** magrittr, purrr, rlang, rprojroot, styler (>= 1.4.0)

**Suggests** testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Encoding** UTF-8

**LazyData** true

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.0

**Repository** <https://gadenbuie.r-universe.dev>

**RemoteUrl** <https://github.com/gadenbuie/grkstyle>

**RemoteRef** main

**RemoteSha** 53051cba7772fd087e730848fb172271715b679c

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grk_reindent	<i>Re-indent R code using tabs or spaces</i>
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### Description

Quickly convert from spaces to tabs or from tabs to spaces in R code through a file, directory or package.

### Usage

```
grk_reindent_auto_text(text, ...)  
grk_reindent_auto_file(path, ...)  
grk_reindent_auto_dir(path, ...)  
grk_reindent_auto_pkg(pkg = ".", ...)  
grk_reindent_tabs_text(text, ...)  
grk_reindent_tabs_file(path, ...)  
grk_reindent_tabs_dir(path, ...)  
grk_reindent_tabs_pkg(pkg = ".", ...)  
grk_reindent_spaces_text(text, ..., indent_by = 2L)  
grk_reindent_spaces_file(path, ..., indent_by = 2L)  
grk_reindent_spaces_dir(path, ..., indent_by = 2L)  
grk_reindent_spaces_pkg(pkg = ".", ..., indent_by = 2L)
```

### Arguments

text	A character vector with text to style.
...	Arguments passed on to the style function.
path	A character vector with paths to files to style.
pkg	Path to a (subdirectory of an) R package.
indent_by	The number of spaces by which to indent the code.

### Functions

- `grk_reindent_auto_text`: Re-indent text using tabs or spaces according to the RStudio project settings or the `grkstyle.use_tabs` option.

- `grk_reindent_auto_file`: Re-indent a file using tabs or spaces according to the RStudio project settings or the `grkstyle.use_tabs` option.
- `grk_reindent_auto_dir`: Re-indent a directory using tabs or spaces according to the RStudio project settings or the `grkstyle.use_tabs` option.
- `grk_reindent_auto_pkg`: Re-indent a package using tabs or spaces according to the RStudio project settings or the `grkstyle.use_tabs` option.
- `grk_reindent_tabs_text`: Re-indent text using tabs
- `grk_reindent_tabs_file`: Re-indent a file using tabs
- `grk_reindent_tabs_dir`: Re-indent a directory using tabs
- `grk_reindent_tabs_pkg`: Re-indent a package using tabs
- `grk_reindent_spaces_text`: Re-indent text using spaces
- `grk_reindent_spaces_file`: Re-indent a file using spaces
- `grk_reindent_spaces_dir`: Re-indent a directory using spaces
- `grk_reindent_spaces_pkg`: Re-indent a package using spaces

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grk\_style

*The grkstyle Code Style*

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## Description

Use `styler::style_text()` to format code according to the unofficial **grkstyle** style guide. Follows the **tidyverse style guide** as implemented by `styler::tidyverse_style()`, but with additional style rules that enforce consistent line breaks inside function calls and left-justification of function arguments in function definitions.

## Usage

```
use_grk_style()
```

```
grk_style_transformer(..., use_tabs = getOption("grkstyle.use_tabs", NULL))
```

```
grk_style_text(text, ...)
```

```
grk_style_file(path, ...)
```

```
grk_style_dir(path, ...)
```

```
grk_style_pkg(pkg = ".", ...)
```

## Arguments

...	Arguments passed to underlying <b>styler</b> functions (identified by removing the <code>grk_prefix</code> ), except for <code>transformers</code> , which is set to the <code>grk_style_transformer()</code> internally.
<code>use_tabs</code>	<p>Should a single tab be used for indentation? <b>grkstyle</b> functions will by default follow the <code>grkstyle.use_tabs</code> option, if set, or will attempt to look up the project settings in the current RStudio project. You can choose to use tabs or spaces for a project by changing the <i>Insert spaces for tab</i> option in the Code Editing panel of the Project Options settings.</p> <p>If not otherwise set via the R option or the RStudio project option, tabs are used. Tabs are recommended because they are <b>more accessible</b>.</p> <p>You can opt into indentation by two spaces by setting the <code>grkstyle.use_tabs</code> option:</p> <pre># two spaces options(grkstyle.use_tabs = FALSE)  # equivalently, but more precise options(grkstyle.use_tabs = list(indent_by = 2, indent_character = " "))</pre>
<code>text</code>	A character vector with text to style.
<code>path</code>	A character vector with paths to files to style.
<code>pkg</code>	Path to a (subdirectory of an) R package.

## Functions

- `use_grk_style`: Set the **grkstyle** style as the default style for **styler** addons.
- `grk_style_transformer`: A code transformer for use with `styler::style_text()`
- `grk_style_text`: Style text using the **grkstyle** code style
- `grk_style_file`: Style a file using the **grkstyle** code style
- `grk_style_dir`: Style a directory using the **grkstyle** code style
- `grk_style_pkg`: Style a package using the **grkstyle** code style

## Using the grkstyle code style

You can set the **grkstyle** code style as the default code style for **styler** (and its associated RStudio addons, like "Style active file" and "Style selection") by calling `grkstyle::use_grk_style()`. If you would rather set this option globally for all session, you can add the following to your `.Rprofile`:

```
options(styler.addins_style_transformer = "grkstyle::grk_style_transformer()")
```

**Examples**

```
## Not run:
use_grk_style()
# Use styler addins
styler:::style_selection()

## End(Not run)

ex_code <- "mtcars %>% mutate(mpg = mpg * 2, \n\t\t    cyl = paste(cyl)) %>% head()"
cat(ex_code)

grk_style_text(ex_code)
```

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