

Package: rravif (via r-universe)

June 2, 2026

Title AVIF Image Encoder

Version 0.1.5

Description Encodes images in AVIF format with 'ravif' Rust crate.

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Config/roxygen2/version 8.0.0

Config/testthat/edition 3

Encoding UTF-8

Roxygen list(markdown = TRUE)

SystemRequirements Cargo (Rust's package manager), rustc, GNU make

Config/pak/sysreqs make libclang-dev

Repository <https://paithiov909.r-universe.dev>

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Contents

clear	2
encode	2
print_nr	3
write_avif	3

Index	4
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clear *Clear the terminal screen*

Description

Sends ANSI escape sequences to clear the visible screen and, when supported, the scrollback buffer of the current terminal. This is primarily intended for use in interactive sessions to reset the display before printing images or other rich output.

Note that support for clearing the scrollback buffer depends on the terminal emulator. In some environments, only the visible screen will be cleared.

This function has no effect in non-interactive sessions.

Usage

```
clear()
```

Value

Invisibly returns NULL.

encode *Encode an AVIF image*

Description

Encodes an AVIF image from a `nativeRaster` object.

Usage

```
encode(nr, quality = 80, speed = 10)
```

Arguments

<code>nr</code>	A <code>nativeRaster</code> object.
<code>quality</code>	The quality of the image.
<code>speed</code>	The processing speed.

Value

A raw vector containing the encoded image data.

print_nr	<i>Print a native raster image to the terminal</i>
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Description

Displays a nativeRaster object directly in the terminal using terminal graphics protocols (e.g., Sixel, Kitty, or iTerm2), depending on what is supported by the current environment.

Internally, the raster is converted to an RGBA image and rendered via a Rust backend.

In non-interactive sessions, the input is returned unchanged and no output is produced.

Usage

```
print_nr(x, clear_first = TRUE)
```

Arguments

x	A nativeRaster object.
clear_first	Logical. If TRUE, the terminal is cleared using <code>clear()</code> before printing the image. Defaults to TRUE.

Value

Invisibly returns x.

write_avif	<i>Write an AVIF image to a file</i>
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Description

Write an AVIF image to a file

Usage

```
write_avif(nr, path = NULL, quality = 80, speed = 10)
```

Arguments

nr	A nativeRaster object.
path	The path to write the image.
quality	The quality of the image.
speed	The processing speed.

Value

If path is NULL, returns a raw vector containing the encoded image data. Otherwise, path is invisibly returned.

Index

`clear`, [2](#)

`encode`, [2](#)

`print_nr`, [3](#)

`write_avif`, [3](#)