

# Package: spongecake (via r-universe)

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**Type** Package

**Title** Transform a Movie into a Synthetic Picture

**Version** 0.1.2

**Author** Vincent Guyader

**Maintainer** Vincent Guyader <vincent@thinkr.fr>

**Description** Transform a Movie into a Synthetic Picture. A frame every 10 seconds is summarized into one colour, then every generated colors are stacked together.

**License** GPL-3

**Depends** R (>= 3.0)

**Encoding** UTF-8

**LazyData** true

**Imports** magrittr, ggplot2, jpeg, plyr

**RoxygenNote** 6.0.1

**SystemRequirements** FFmpeg (<http://ffmpeg.org>)

**URL** <https://github.com/ThinkRstat/spongecake>

**NeedsCompilation** no

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

**RemoteUrl** <https://github.com/ThinkR-open/spongecake>

**RemoteRef** HEAD

**RemoteSha** 2e2fa41d3fc96b7654c8e26282ec04f240c984d1

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average_color	<i>average_color</i>
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**Description**

return the average color from an image

**Usage**

```
average_color(img)
```

**Arguments**

img	the image (a array)
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draw	<i>draw</i>
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**Description**

transform a folder of scrennshot into a synthetical picture

**Usage**

```
draw(folder)
```

**Arguments**

folder	the path of the folder
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**Examples**

```
## Not run:  
#options(ffmpeg = "C:/ffmpeg-3.1.4-win64-static/bin/ffmpeg.exe") # windows user  
library(magrittr)  
gen_screenshot(movie = "D:/mymovie.avi") %>%  
draw()  
  
## End(Not run)
```

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folder_average_color	<i>folder_average_color</i>
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**Description**

return the average color from all folder's images

**Usage**

```
folder_average_color(folder)
```

**Arguments**

folder	the path of the folder
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gen_screenshot	<i>gen_screenshot</i>
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**Description**

transform a movie into lot of screenshots

**Usage**

```
gen_screenshot(movie, folder = tempfile(), every = 10)
```

**Arguments**

movie	the path of the movie
folder	the path of the folder
every	timbe between each screenshot in seconds

**Examples**

```
## Not run:  
gen_screenshot(movie = "D:/mymovie.avi") %>%  
  browseURL()  
  
## End(Not run)
```

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`spongecake`*spongecake*

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**Description**

this package transform a movie into a simple image...

**Examples**

```
## Not run:  
#options(ffmpeg = "C:/ffmpeg-3.1.4-win64-static/bin/ffmpeg.exe") # windows user  
library(magrittr)  
gen_screenshot(movie = "D:/mymovie.avi") %>%  
draw()  
  
## End(Not run)
```

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