
AdafruitColorsys Library Documentation

Release 1.0

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CONTENTS

1	Dependencies	3
2	Usage Example	5
3	Contributing	7
4	Documentation	9
5	Table of Contents	11
5.1	Simple test	11
5.2	colorsys	11
5.2.1	Implementation Notes	11
6	Indices and tables	13
	Python Module Index	15
	Index	17

CPython module Colorsys made available for CircuitPython.

DEPENDENCIES

This driver depends on:

- [Adafruit CircuitPython](#)

Please ensure all dependencies are available on the CircuitPython filesystem. This is easily achieved by downloading the [Adafruit library and driver bundle](#).

USAGE EXAMPLE

See example in docs/examples.rst.

CONTRIBUTING

Contributions are welcome! Please read our [Code of Conduct](#) before contributing to help this project stay welcoming.

DOCUMENTATION

For information on building library documentation, please check out [this guide](#).

TABLE OF CONTENTS

5.1 Simple test

Ensure your device works with this simple test.

Listing 1: examples/coloursys_simpletest.py

```
1 # SPDX-FileCopyrightText: 2021 Tim Cocks for Adafruit Industries
2 #
3 # SPDX-License-Identifier: MIT
4
5 import coloursys
6
7 hls = (0.4, 0.7, 0.5)
8 rgb = coloursys.hls_to_rgb(hls[0], hls[1], hls[2])
9 print("HLS {} == RGB {}".format(hls, rgb))
10
11 hsv = (0.8, 0.5, 0.5)
12 rgb = coloursys.hsv_to_rgb(hsv[0], hsv[1], hsv[2])
13 print("HSV {} == RGB {}".format(hsv, rgb))
```

5.2 coloursys

Subset of CPython module coloursys for use in CircuitPython.

Conversion functions between RGB and other color systems

- Author(s): Python Software Foundation

5.2.1 Implementation Notes

Software and Dependencies:

- Adafruit CircuitPython firmware for the supported boards: <https://github.com/adafruit/circuitpython/releases>

`coloursys.hls_to_rgb(hue, light, sat)`
Converts HLS to RGB values

`coloursys.hsv_to_rgb(hue, sat, val)`
Converts HSV to RGB values

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

PYTHON MODULE INDEX

C

`colorsys`, 11

INDEX

C

colorsys
 module, 11

H

hls_to_rgb() (*in module colorsys*), 11
hsv_to_rgb() (*in module colorsys*), 11

M

module
 colorsys, 11