

# Modul:Color contrast/Doku

Dies ist die Dokumentationsseite für [Modul:Color contrast](#)

[Vorlage:Lua](#)

This module is used primarily by

- [Vorlage:Tl](#)
- [Vorlage:Tl](#) / [Vorlage:Tl](#)
- [Vorlage:Tl](#)
- [Vorlage:Tl](#)
- [Vorlage:Tl](#)
- [Vorlage:Tl](#)

It is also used for tracking within

- [Module:Navbox](#)
- [Module:Userbox](#)
- [Module:Episode list](#)

and for documentation in

- [Module:College color](#)

The formulas used are [stated in WCAG 2.x specifications](#). [WCAG](#) is the main guideline for creating accessible interfaces on the web.

## Usage

To use this module, you may use one of the above listed templates or invoke the module directly

- To compute relative luminescence:  
`{{ColorToLum|color}}` or `{{#invoke:Color contrast|lum|color}}`
- To compute a contrast ratio between two colors:  
`{{Color contrast ratio|color1|color2|error=?}}` or `{{#invoke:Color contrast|ratio|color1|color2|error=?}}`
- To determine which of two colors (color2a and color2b) has the greater contrast ratio with a particular color (color1):  
`{{Greater color contrast ratio|color1|color2a|color2b}}` or `{{#invoke:Color contrast|greatercontrast|color1|color2a|color2b}}`
- To compute the contrast ratio between the background and text colors specified in a css style string:  
`{{#invoke:Color contrast|styleratio|css style statement string|default background color|default text color}}`