# Colour palette for Moodle TinyMCE Editor

## WCAG-Standard contrast levels:

* AAA = highest level in contrast to white background
* AA+ = 4,5 + contrast to white background
* AA only for large headlines contrasting with a white background
* ~~AAA/AA~~ Not accessible on a white background, often accessible on a black background

## Extern Plugin for colour palette:

[Tiny Font Color (tiny\_fontcolor)](https://moodle.org/plugins/tiny_fontcolor) for TinyMCE-Editor, which will become the default editor in Moodle 4.5.

Github (moodle-tiny\_fontcolor), GPL-3.0 license, Maintainer: Stephan Robotta and Luca Bösch, [Berner Fachhochschule](https://github.com/bfh)

## Literature | Research | Tests with:

Test WebAIM (2025): [The WebAIM Million](https://webaim.org/projects/million/). Colour contrast is with 70 % is the most common error in annual measurements between 2019 and 2025.

## Tools:

<https://color.review/> (With preview image, display of AAA/AA level, it is possible to search for colours of similar intensity using the slider. This means that if a colour from the university's communication system is used as the starting colour, it is possible to find similar colour grades in other colours.)

<https://colorpicker.tools>

<https://contrast-grid.eightshapes.com>

## Credits:

* Colour concept: Julia Lee, support: Luca Knoblich, Potsdam University of Applied Sciences, licence CC BY-SA 4.0 with the exception of personal or brand names and the FHP blue colour palette.
* Colours FHP blue: University communications, Potsdam University of Applied Sciences. Recommendation: replace with your institution's corporate identity colours.Screenshot examples from [Color.review](https://color.review/)

## Concept for an accessible colour palette (as table)

|  |  |  |  |
| --- | --- | --- | --- |
| **01 FHP-Blue (FHP-CI)** | **02 Grey/ Yellow/ Orange** | **03 Red/ Purple** | **04 Green/ Petrol** |
| **HEX #192841**  ID 0101 (Basis Blue + 80 K)  AAA (on white)  nicht barrierefrei auf Schwarz | **HEX #424242**  ID 0201 (Dark Grey)  AAA (on white)  not accessible on black | **HEX #AF0304**  ID 0301 (Red)  AAA (on white)  not accessible on black | **HEX #005c45**  ID 0401 (Green)  AAA (on white)  not accessible on black |
| **HEX #263d63**  ID 0102 (Basis Blue + 65 K)  AAA (on white)  not accessible on black | **HEX #bcbcbc**  ID 0202 (Stone Grey)  AAA (background)  AAA (on black) | **HEX #482663**  ID 0302 (Dark Purple)  AAA (on white)  not accessible on black | **HEX #334D46**  ID 0402 (Green-Blue)  AAA (on white)  not accessible on black |
| **HEX #35568b**  ID 0103 (Basis Blue + 25 K)  AAA (on white)  not accessible on black | **HEX #f2f2f2**  ID 0203 (Light Grey)  AAA (on black)  not accessible on white | **HEX #732370**  ID 0303 (Purple)  AAA (on white)  not accessible on black | **HEX #C7FFC7**  ID 0403 (Light Green)  AAA (background)  AAA (on black)  not accessible on white |
| **HEX #4772b9**  ID 0104 (Basis Blue)  AA (on white)  not accessible on black | **HEX # F7F05B**  ID 0204 (Yellow)  AAA (background)  AAA (on black)  not accessible on white | **HEX #b00ca9**  ID 0304 (Magenta)  AA+ (on white)  AA (on black) | **HEX #000000**  ID 0404 (Black)  AAA (on white) |
| **HEX #bfcee7**  ID 0105 (Basis Blue 35%)  not accessible on white  AAA (on black) | **HEX #F8BF41**  ID 0205 (Orange)  AAA (background)  AAA (on black)  not accessible on white | **HEX #fbeffa**  ID 0305 (Old Rose)  AAA (background)  AAA (on black)  - not accessible on white | **HEX #ffffff**  ID 0405 (Weiß)  AAA (on black) |
| **HEX #f0f4f9**  ID 0106 (Basis Blue 8%)  AAA (background, text black)  AAA (on black)  not accessible on white | **HEX #6C3D2D**  ID 0206 (Brown)  AAA (on white)  not accessible on black | ID 0306 (remove colour)  white field crossed diagonally with a red line  specified position | ID 0406 (symbol colour palette) |