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) 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

Literature | Research | Tests with:

Test WebAIM (2025): The WebAIM 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, Fachhochschule 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

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)