

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(440075) Hex(866B99) Hex(003175) Hex(41314D) Hex(CCCCCC) Hex(4D4D4D)

	Hex(440075)	Hex(866B99)	Hex(003175)	Hex(41314D)	Hex(CCCCCC)	Hex(4D4D4D)
Hex(440075)		Ratio: 3.05 AA 18pt ²	Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 8.70 Passed ⁶	Ratio: 1.65 Failed ⁵
Hex(866B99)	Ratio: 3.05 AA 18pt ²		Ratio: 2.70 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(003175)	Ratio: 1.13 Failed ⁵	Ratio: 2.70 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 7.71 Passed ⁶	Ratio: 1.46 Failed ⁵
Hex(41314D)	Ratio: 1.18 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 7.38 Passed ⁶	Ratio: 1.40 Failed ⁵
Hex(CCCCCC)	Ratio: 8.70 Passed ⁶	Ratio: 2.86 Failed ⁵	Ratio: 7.71 Passed ⁶	Ratio: 7.38 Passed ⁶		Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(4D4D4D)	Ratio: 1.65 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 5.26 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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