

Converting Colors - WCAG Matrix

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

Hex(4C4B50) Hex(FFFFFF) Hex(7D7C81) Hex(97959B) Hex(B1B0B6) Hex(CDCCD2) Hex(E9E8EE)

	Hex(4C4B50)	Hex(FFFFFF)	Hex(7D7C81)	Hex(97959B)	Hex(B1B0B6)	Hex(CDCCD2)	Hex(E9E8EE)
Hex(4C4B50)		Ratio: 8.64 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶
Hex(FFFFFF)	Ratio: 8.64 Passed ⁶		Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(7D7C81)	Ratio: 2.09 Failed ⁵	Ratio: 4.14 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(97959B)	Ratio: 2.92 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(B1B0B6)	Ratio: 4.02 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(CDCCD2)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 1.60 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E9E8EE)	Ratio: 7.10 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵	

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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