

Converting Colors - WCAG Matrix

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

	Hex(FFFFFF)	Hex(E8E8EF)	Hex(CBCBD3)	Hex(B0B0B7)	Hex(95959C)	Hex(7C7C82)	Hex(636369)	Hex(4B4B51)
Hex(FFFFFF)		Ratio: 1.22 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 8.66 Passed ⁶
Hex(E8E8EF)	Ratio: 1.22 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶
Hex(CBCBD3)	Ratio: 1.61 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴
Hex(B0B0B7)	Ratio: 2.16 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.02 AA 18pt ²
Hex(95959C)	Ratio: 2.98 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(7C7C82)	Ratio: 4.15 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(636369)	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵
Hex(4B4B51)	Ratio: 8.66 Passed ⁶	Ratio: 7.10 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 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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