

Converting Colors - WCAG Matrix

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

	Hex(4D5C5C)	Hex(FFFFFF)	Hex(7E8E8E)	Hex(98A9A9)	Hex(B3C4C4)	Hex(CEE0E0)	Hex(EBFCFC)
Hex(4D5C5C)		Ratio: 7.00 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.00 Passed ⁶		Ratio: 3.42 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(7E8E8E)	Ratio: 2.05 Failed ⁵	Ratio: 3.42 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.23 AA 18pt ²
Hex(98A9A9)	Ratio: 2.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(B3C4C4)	Ratio: 3.87 AA 18pt ²	Ratio: 1.81 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(CEE0E0)	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 1.37 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(EBFCFC)	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 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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