

Converting Colors - WCAG Matrix

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

Hex(4B5559) Hex(FFFFFF) Hex(7C878B) Hex(96A1A6) Hex(B0BCC1) Hex(CCD7DC) Hex(E8F4F9)

	Hex(4B5559)	Hex(FFFFFF)	Hex(7C878B)	Hex(96A1A6)	Hex(B0BCC1)	Hex(CCD7DC)	Hex(E8F4F9)
Hex(4B5559)		Ratio: 7.66 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.83 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.66 Passed ⁶		Ratio: 3.69 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(7C878B)	Ratio: 2.08 Failed ⁵	Ratio: 3.69 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(96A1A6)	Ratio: 2.90 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(B0BCC1)	Ratio: 3.94 AA 18pt ²	Ratio: 1.94 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(CCD7DC)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 1.47 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E8F4F9)	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.73 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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