

Converting Colors - WCAG Matrix

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

	Hex(4A5259)	Hex(FFFFFF)	Hex(7B848B)	Hex(959EA6)	Hex(AFB9C1)	Hex(CBD4DC)	Hex(E7F1F9)
Hex(4A5259)		Ratio: 7.95 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.95 Passed ⁶		Ratio: 3.81 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(7B848B)	Ratio: 2.09 Failed ⁵	Ratio: 3.81 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(959EA6)	Ratio: 2.92 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(AFB9C1)	Ratio: 3.99 AA 18pt ²	Ratio: 1.99 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(CBD4DC)	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 1.50 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E7F1F9)	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 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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