

Converting Colors - WCAG Matrix

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

	Hex(2F3840)	Hex(FFFFFF)	Hex(5D6870)	Hex(768189)	Hex(909BA3)	Hex(AAB5BE)	Hex(C6D1DA)	Hex(E2EDF7)	Hex(FEFFFF)
Hex(2F3840)		Ratio: 11.93 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 11.90 Passed ⁶
Hex(FFFFFF)	Ratio: 11.93 Passed ⁶		Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(5D6870)	Ratio: 2.09 Failed ⁵	Ratio: 5.71 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.69 AA ¹ AAA 18pt ⁴
Hex(768189)	Ratio: 2.99 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.97 AA 18pt ²
Hex(909BA3)	Ratio: 4.20 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(AAB5BE)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.09 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ²		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(C6D1DA)	Ratio: 7.69 Passed ⁶	Ratio: 1.55 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(E2EDF7)	Ratio: 10.05 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(FEFFFF)	Ratio: 11.90 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.18 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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