

Converting Colors - WCAG Matrix

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

	Hex(F2F0FA)	Hex(D6D4DD)	Hex(BAB8C1)	Hex(9F9DA6)	Hex(85838C)	Hex(6C6A72)	Hex(53525A)	Hex(3C3B43)	Hex(27252C)	Hex(121018)
Hex(F2F0FA)		Ratio: 1.30 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 9.81 Passed ⁶	Ratio: 13.42 Passed ⁶	Ratio: 16.73 Passed ⁶
Hex(D6D4DD)	Ratio: 1.30 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 12.87 Passed ⁶
Hex(BAB8C1)	Ratio: 1.74 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.63 Passed ⁶
Hex(9F9DA6)	Ratio: 2.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶
Hex(85838C)	Ratio: 3.31 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴
Hex(6C6A72)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.54 AA 18pt ²
Hex(53525A)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(3C3B43)	Ratio: 9.81 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(27252C)	Ratio: 13.42 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(121018)	Ratio: 16.73 Passed ⁶	Ratio: 12.87 Passed ⁶	Ratio: 9.63 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.25 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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