

Converting Colors - WCAG Matrix

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

	Hex(F1D2D9)	Hex(D4B7BD)	Hex(B99CA2)	Hex(9E8288)	Hex(83696F)	Hex(6A5056)	Hex(51393F)	Hex(3A2429)	Hex(240F15)	Hex(180001)
Hex(F1D2D9)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 12.96 Passed ⁶	Ratio: 14.40 Passed ⁶
Hex(D4B7BD)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 10.88 Passed ⁶
Hex(B99CA2)	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.23 Passed ⁶	Ratio: 8.03 Passed ⁶
Hex(9E8288)	Ratio: 2.49 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(83696F)	Ratio: 3.55 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.06 AA 18pt ²
Hex(6A5056)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(51393F)	Ratio: 7.46 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(3A2429)	Ratio: 10.22 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(240F15)	Ratio: 12.96 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 7.23 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(180001)	Ratio: 14.40 Passed ⁶	Ratio: 10.88 Passed ⁶	Ratio: 8.03 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.11 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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