

Converting Colors - WCAG Matrix

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

Hex(0F0101) Hex(EEE3E3) Hex(393131) Hex(504747) Hex(685F5F) Hex(827878) Hex(9C9191) Hex(B6ACAC) Hex(D2C7C7)

	Hex(0F0101)	Hex(EEE3E3)	Hex(393131)	Hex(504747)	Hex(685F5F)	Hex(827878)	Hex(9C9191)	Hex(B6ACAC)	Hex(D2C7C7)
Hex(0F0101)		Ratio: 16.32 Passed ⁶	Ratio: 1.62 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 9.25 Passed ⁶	Ratio: 12.42 Passed ⁶
Hex(EEE3E3)	Ratio: 16.32 Passed ⁶		Ratio: 10.09 Passed ⁶	Ratio: 7.17 Passed ⁶	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(393131)	Ratio: 1.62 Failed ⁵	Ratio: 10.09 Passed ⁶		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶
Hex(504747)	Ratio: 2.28 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴
Hex(685F5F)	Ratio: 3.31 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.76 AA 18pt ²
Hex(827878)	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(9C9191)	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 2.43 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(B6ACAC)	Ratio: 9.25 Passed ⁶	Ratio: 1.76 Failed ⁵	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(D2C7C7)	Ratio: 12.42 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.68 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 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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