

Converting Colors - WCAG Matrix

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

	Hex(050301)	Hex(E6E5E3)	Hex(333231)	Hex(4A4947)	Hex(62605F)	Hex(7A7978)	Hex(949391)	Hex(AFADAC)	Hex(CAC9C7)
Hex(050301)		Ratio: 16.35 Passed ⁶	Ratio: 1.61 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 9.21 Passed ⁶	Ratio: 12.44 Passed ⁶
Hex(E6E5E3)	Ratio: 16.35 Passed ⁶		Ratio: 10.16 Passed ⁶	Ratio: 7.14 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(333231)	Ratio: 1.61 Failed ⁵	Ratio: 10.16 Passed ⁶		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶
Hex(4A4947)	Ratio: 2.29 Failed ⁵	Ratio: 7.14 Passed ⁶	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴
Hex(62605F)	Ratio: 3.29 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.78 AA 18pt ²
Hex(7A7978)	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(949391)	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 2.44 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(AFADAC)	Ratio: 9.21 Passed ⁶	Ratio: 1.78 Failed ⁵	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵
Hex(CAC9C7)	Ratio: 12.44 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.73 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 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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