

Converting Colors - WCAG Matrix

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

	Hex(1E1E1B)	Hex(FFFFFFB)	Hex(494946)	Hex(61615D)	Hex(7A7A76)	Hex(949390)	Hex(AEAEAA)	Hex(C9C9C5)	Hex(E6E5E1)
Hex(1E1E1B)		Ratio: 16.67 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 13.26 Passed ⁶
Hex(FFFFFFB)	Ratio: 16.67 Passed ⁶		Ratio: 9.01 Passed ⁶	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(494946)	Ratio: 1.85 Failed ⁵	Ratio: 9.01 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶
Hex(61615D)	Ratio: 2.69 Failed ⁵	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴
Hex(7A7A76)	Ratio: 3.88 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(949390)	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.06 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(AEAEAA)	Ratio: 7.51 Passed ⁶	Ratio: 2.22 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(C9C9C5)	Ratio: 10.06 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E6E5E1)	Ratio: 13.26 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 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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