

Converting Colors - WCAG Matrix

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

	Hex(1E1E00)	Hex(32331A)	Hex(494A2F)	Hex(616146)	Hex(7A7A5E)	Hex(949476)	Hex(AFAF90)	Hex(CACAAB)	Hex(E7E6C6)	Hex(FFFE2)
Hex(1E1E00)		Ratio: 1.31 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 13.32 Passed ⁶	Ratio: 16.64 Passed ⁶
Hex(32331A)	Ratio: 1.31 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 12.72 Passed ⁶
Hex(494A2F)	Ratio: 1.86 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.97 Passed ⁶
Hex(616146)	Ratio: 2.66 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴
Hex(7A7A5E)	Ratio: 3.85 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.33 AA 18pt ²
Hex(949476)	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(AFAF90)	Ratio: 7.54 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(CACAAB)	Ratio: 10.11 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(E7E6C6)	Ratio: 13.32 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(FFFE2)	Ratio: 16.64 Passed ⁶	Ratio: 12.72 Passed ⁶	Ratio: 8.97 Passed ⁶	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 4.33 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.65 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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