

Converting Colors - WCAG Matrix

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

	Hex(1E1815)	Hex(332D29)	Hex(4A433F)	Hex(625A56)	Hex(7A736F)	Hex(948C88)	Hex(AFA6A2)	Hex(CAC2BD)	Hex(E6DDD9)	Hex(FFFAF6)
Hex(1E1815)		Ratio: 1.29 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 13.13 Passed ⁶	Ratio: 16.93 Passed ⁶
Hex(332D29)	Ratio: 1.29 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 13.08 Passed ⁶
Hex(4A433F)	Ratio: 1.81 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 9.35 Passed ⁶
Hex(625A56)	Ratio: 2.60 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(7A736F)	Ratio: 3.77 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.49 AA 18pt ²
Hex(948C88)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(AFA6A2)	Ratio: 7.35 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(CAC2BD)	Ratio: 10.00 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(E6DDD9)	Ratio: 13.13 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 7.25 Passed ⁶	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(FFFAF6)	Ratio: 16.93 Passed ⁶	Ratio: 13.08 Passed ⁶	Ratio: 9.35 Passed ⁶	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 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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