

Converting Colors - WCAG Matrix

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

	Hex(190505)	Hex(2D1E1E)	Hex(433333)	Hex(5B4A4A)	Hex(736162)	Hex(8D7A7A)	Hex(A89494)	Hex(C3AFAF)	Hex(DFCACA)	Hex(FCE6E6)
Hex(190505)		Ratio: 1.24 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 9.45 Passed ⁶	Ratio: 12.62 Passed ⁶	Ratio: 16.52 Passed ⁶
Hex(2D1E1E)	Ratio: 1.24 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.37 Passed ⁶
Hex(433333)	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.00 Passed ⁶
Hex(5B4A4A)	Ratio: 2.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴
Hex(736162)	Ratio: 3.39 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(8D7A7A)	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(A89494)	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(C3AFAF)	Ratio: 9.45 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(DFCACA)	Ratio: 12.62 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(FCE6E6)	Ratio: 16.52 Passed ⁶	Ratio: 13.37 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 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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