

Converting Colors - WCAG Matrix

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

	Hex(CFCACA)	Hex(B3AFAF)	Hex(989494)	Hex(7E7B7B)	Hex(656262)	Hex(4D4A4A)	Hex(373334)	Hex(211E1E)	Hex(0B0505)	Hex(000000)
Hex(CFCACA)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 12.48 Passed ⁶	Ratio: 12.95 Passed ⁶
Hex(B3AFAF)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 9.67 Passed ⁶
Hex(989494)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(7E7B7B)	Ratio: 2.59 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(656262)	Ratio: 3.73 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 3.48 AA 18pt ²
Hex(4D4A4A)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(373334)	Ratio: 7.69 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(211E1E)	Ratio: 10.21 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(0B0505)	Ratio: 12.48 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 12.95 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.04 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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