

Converting Colors - WCAG Matrix

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

	Hex(FFFFFF8)	Hex(E3E3DC)	Hex(C7C7C0)	Hex(ACABA5)	Hex(91918A)	Hex(787771)	Hex(5F5F58)	Hex(474741)	Hex(31312B)	Hex(1C1C17)
Hex(FFFFFF8)		Ratio: 1.28 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 4.47 AA 18pt ²	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 9.31 Passed ⁶	Ratio: 13.03 Passed ⁶	Ratio: 17.03 Passed ⁶
Hex(E3E3DC)	Ratio: 1.28 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 13.27 Passed ⁶
Hex(C7C7C0)	Ratio: 1.69 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.07 Passed ⁶
Hex(ACABA5)	Ratio: 2.29 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.43 Passed ⁶
Hex(91918A)	Ratio: 3.16 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴
Hex(787771)	Ratio: 4.47 AA 18pt ²	Ratio: 3.48 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.81 AA 18pt ²
Hex(5F5F58)	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(474741)	Ratio: 9.31 Passed ⁶	Ratio: 7.25 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(31312B)	Ratio: 13.03 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(1C1C17)	Ratio: 17.03 Passed ⁶	Ratio: 13.27 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 7.43 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.83 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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