

Converting Colors - WCAG Matrix

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

	Hex(120A07)	Hex(26211F)	Hex(3C3634)	Hex(534D4B)	Hex(6B6563)	Hex(857E7C)	Hex(9F9896)	Hex(BAB2B0)	Hex(D5CECC)	Hex(F2EAE8)
Hex(120A07)		Ratio: 1.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 9.40 Passed ⁶	Ratio: 12.62 Passed ⁶	Ratio: 16.52 Passed ⁶
Hex(26211F)	Ratio: 1.23 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 13.42 Passed ⁶
Hex(3C3634)	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.01 Passed ⁶
Hex(534D4B)	Ratio: 2.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(6B6563)	Ratio: 3.42 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(857E7C)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(9F9896)	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(BAB2B0)	Ratio: 9.40 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(D5CECC)	Ratio: 12.62 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(F2EAE8)	Ratio: 16.52 Passed ⁶	Ratio: 13.42 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.76 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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