

Converting Colors - WCAG Matrix

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

	Hex(0A0A00)	Hex(21211B)	Hex(363630)	Hex(4D4D47)	Hex(65655E)	Hex(7E7E77)	Hex(989891)	Hex(B3B2AB)	Hex(CECEC6)	Hex(EAEAE2)
Hex(0A0A00)		Ratio: 1.23 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 9.35 Passed ⁶	Ratio: 12.56 Passed ⁶	Ratio: 16.44 Passed ⁶
Hex(21211B)	Ratio: 1.23 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 13.38 Passed ⁶
Hex(363630)	Ratio: 1.63 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.05 Passed ⁶
Hex(4D4D47)	Ratio: 2.34 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶
Hex(65655E)	Ratio: 3.39 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(7E7E77)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(989891)	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(B3B2AB)	Ratio: 9.35 Passed ⁶	Ratio: 7.61 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(CECEC6)	Ratio: 12.56 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(EAEAE2)	Ratio: 16.44 Passed ⁶	Ratio: 13.38 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.40 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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