

Converting Colors - WCAG Matrix

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

	Hex(F2E1C1)	Hex(D5C5A6)	Hex(BAAA8B)	Hex(9E8F72)	Hex(847659)	Hex(6A5D42)	Hex(52462B)	Hex(3A2F16)	Hex(251B00)	Hex(030000)
Hex(F2E1C1)		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.21 Passed ⁶	Ratio: 16.25 Passed ⁶
Hex(D5C5A6)	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 12.32 Passed ⁶
Hex(BAAA8B)	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 9.18 Passed ⁶
Hex(9E8F72)	Ratio: 2.46 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 6.60 AA ¹ AAA 18pt ⁴
Hex(847659)	Ratio: 3.46 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴
Hex(6A5D42)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(52462B)	Ratio: 7.19 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(3A2F16)	Ratio: 10.21 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(251B00)	Ratio: 13.21 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 7.46 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(030000)	Ratio: 16.25 Passed ⁶	Ratio: 12.32 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.23 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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