

Converting Colors - WCAG Matrix

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

	Hex(D8A394)	Hex(BC897A)	Hex(A06F61)	Hex(85564A)	Hex(6A3F33)	Hex(51291E)	Hex(381305)	Hex(230000)	Hex(000000)
Hex(D8A394)		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 8.95 Passed ⁶	Ratio: 9.59 Passed ⁶
Hex(BC897A)	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(A06F61)	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴
Hex(85564A)	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.43 AA 18pt ²
Hex(6A3F33)	Ratio: 4.04 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(51291E)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(381305)	Ratio: 7.59 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(230000)	Ratio: 8.95 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 9.59 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.07 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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