

Converting Colors - WCAG Matrix

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

	Hex(403726)	Hex(584E3C)	Hex(706653)	Hex(8A7F6B)	Hex(A49984)	Hex(C0B39F)	Hex(DCCFBA)	Hex(F8EBD5)	Hex(FFFFFF2)	Hex(FFFFFFF)
Hex(403726)		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 11.63 Passed ⁶	Ratio: 11.72 Passed ⁶
Hex(584E3C)	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 8.11 Passed ⁶	Ratio: 8.17 Passed ⁶
Hex(706653)	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 5.65 AA ¹ AAA 18pt ⁴
Hex(8A7F6B)	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 3.94 AA 18pt ²
Hex(A49984)	Ratio: 4.17 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(C0B39F)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(DCCFBA)	Ratio: 7.63 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(F8EBD5)	Ratio: 9.95 Passed ⁶	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(FFFFFF2)	Ratio: 11.63 Passed ⁶	Ratio: 8.11 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFFFF)	Ratio: 11.72 Passed ⁶	Ratio: 8.17 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.01 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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