

Converting Colors - WCAG Matrix

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

	Hex(F4E5A1)	Hex(D7C986)	Hex(BBAE6D)	Hex(9F9354)	Hex(84793B)	Hex(6A6124)	Hex(50490B)	Hex(393300)	Hex(201E00)	Hex(000500)
Hex(F4E5A1)		Ratio: 1.32 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 13.28 Passed ⁶	Ratio: 16.22 Passed ⁶
Hex(D7C986)	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 12.32 Passed ⁶
Hex(BBAE6D)	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 9.19 Passed ⁶
Hex(9F9354)	Ratio: 2.45 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴
Hex(84793B)	Ratio: 3.47 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴
Hex(6A6124)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(50490B)	Ratio: 7.21 Passed ⁶	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(393300)	Ratio: 10.06 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(201E00)	Ratio: 13.28 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 7.53 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(000500)	Ratio: 16.22 Passed ⁶	Ratio: 12.32 Passed ⁶	Ratio: 9.19 Passed ⁶	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 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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