

Converting Colors - WCAG Matrix

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

	Hex(F5B08E)	Hex(D79574)	Hex(BA7B5B)	Hex(9E6244)	Hex(824A2D)	Hex(673317)	Hex(4D1C00)	Hex(330700)	Hex(160000)	Hex(000000)
Hex(F5B08E)		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 11.10 Passed ⁶	Ratio: 11.48 Passed ⁶
Hex(D79574)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 8.16 Passed ⁶	Ratio: 8.44 Passed ⁶
Hex(BA7B5B)	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴
Hex(9E6244)	Ratio: 2.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(824A2D)	Ratio: 3.87 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(673317)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(4D1C00)	Ratio: 7.75 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(330700)	Ratio: 9.80 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(160000)	Ratio: 11.10 Passed ⁶	Ratio: 8.16 Passed ⁶	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 11.48 Passed ⁶	Ratio: 8.44 Passed ⁶	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.03 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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