

Converting Colors - WCAG Matrix

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

	Hex(F8C3B0)	Hex(DBA895)	Hex(BF8E7B)	Hex(A37463)	Hex(885B4B)	Hex(6D4334)	Hex(542D1F)	Hex(3B1707)	Hex(250000)	Hex(FFFFFF)
Hex(F8C3B0)		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 12.45 Passed ⁶	Ratio: 1.56 Failed ⁵
Hex(DBA895)	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 2.09 Failed ⁵
Hex(BF8E7B)	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 2.85 Failed ⁵
Hex(A37463)	Ratio: 2.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²
Hex(885B4B)	Ratio: 3.68 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(6D4334)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 8.39 Passed ⁶
Hex(542D1F)	Ratio: 7.57 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 11.85 Passed ⁶
Hex(3B1707)	Ratio: 10.23 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 16.01 Passed ⁶
Hex(250000)	Ratio: 12.45 Passed ⁶	Ratio: 9.31 Passed ⁶	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 19.47 Passed ⁶
Hex(FFFFFF)	Ratio: 1.56 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 8.39 Passed ⁶	Ratio: 11.85 Passed ⁶	Ratio: 16.01 Passed ⁶	Ratio: 19.47 Passed ⁶	

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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