

Converting Colors - WCAG Matrix

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

	Hex(3B0606)	Hex(541E1E)	Hex(6E3434)	Hex(894C4A)	Hex(A56562)	Hex(C17E7B)	Hex(DD9894)	Hex(FBB3AF)	Hex(FFCFCA)	Hex(FFEBE7)
Hex(3B0606)		Ratio: 1.30 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 12.37 Passed ⁶	Ratio: 15.06 Passed ⁶
Hex(541E1E)	Ratio: 1.30 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.50 Passed ⁶	Ratio: 11.57 Passed ⁶
Hex(6E3434)	Ratio: 1.81 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 8.30 Passed ⁶
Hex(894C4A)	Ratio: 2.63 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 5.72 AA ¹ AAA 18pt ⁴
Hex(A56562)	Ratio: 3.82 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.94 AA 18pt ²
Hex(C17E7B)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(DD9894)	Ratio: 7.40 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(FBB3AF)	Ratio: 10.02 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFCFCA)	Ratio: 12.37 Passed ⁶	Ratio: 9.50 Passed ⁶	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFEBE7)	Ratio: 15.06 Passed ⁶	Ratio: 11.57 Passed ⁶	Ratio: 8.30 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.50 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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