

Converting Colors - WCAG Matrix

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

	Hex(F0B3AE)	Hex(D39893)	Hex(B77E7A)	Hex(9B6561)	Hex(804C49)	Hex(663533)	Hex(4C1F1E)	Hex(340804)	Hex(1C0001)	Hex(000000)
Hex(F0B3AE)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.95 Passed ⁶	Ratio: 11.21 Passed ⁶	Ratio: 11.76 Passed ⁶
Hex(D39893)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 8.27 Passed ⁶	Ratio: 8.68 Passed ⁶
Hex(B77E7A)	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴
Hex(9B6561)	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.22 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(804C49)	Ratio: 3.86 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.05 AA 18pt ²
Hex(663533)	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(4C1F1E)	Ratio: 7.73 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(340804)	Ratio: 9.95 Passed ⁶	Ratio: 7.34 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(1C0001)	Ratio: 11.21 Passed ⁶	Ratio: 8.27 Passed ⁶	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.22 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 11.76 Passed ⁶	Ratio: 8.68 Passed ⁶	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.05 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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