

Converting Colors - WCAG Matrix

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

	Hex(FFAB8A)	Hex(E19070)	Hex(C37657)	Hex(A65D40)	Hex(8A4529)	Hex(6E2D13)	Hex(531600)	Hex(380000)	Hex(1E0001)	Hex(000000)
Hex(FFAB8A)		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 10.84 Passed ⁶	Ratio: 11.44 Passed ⁶
Hex(E19070)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 7.98 Passed ⁶	Ratio: 8.42 Passed ⁶
Hex(C37657)	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 6.05 AA ¹ AAA 18pt ⁴
Hex(A65D40)	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(8A4529)	Ratio: 3.86 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(6E2D13)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(531600)	Ratio: 7.72 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(380000)	Ratio: 9.80 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(1E0001)	Ratio: 10.84 Passed ⁶	Ratio: 7.98 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 11.44 Passed ⁶	Ratio: 8.42 Passed ⁶	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.06 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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