

Converting Colors - WCAG Matrix

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

	Hex(F8C8A)	Hex(E17171)	Hex(C35758)	Hex(A53D41)	Hex(88222B)	Hex(6B0016)	Hex(500000)	Hex(360002)	Hex(090000)	Hex(000000)
Hex(F8C8A)		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 8.09 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 9.37 Passed ⁶
Hex(E17171)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴
Hex(C35758)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴
Hex(A53D41)	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.34 AA 18pt ²
Hex(88222B)	Ratio: 4.06 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(6B0016)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(500000)	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(360002)	Ratio: 8.09 Passed ⁶	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(090000)	Ratio: 9.26 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 9.37 Passed ⁶	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.01 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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