

Converting Colors - WCAG Matrix

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

	Hex(FAE0E0)	Hex(DEC4C4)	Hex(C2A8A8)	Hex(A68F8F)	Hex(8C7575)	Hex(735C5C)	Hex(594545)	Hex(402E2E)	Hex(2B1A1A)	Hex(170000)
Hex(FAE0E0)		Ratio: 1.31 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 13.28 Passed ⁶	Ratio: 16.21 Passed ⁶
Hex(DEC4C4)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 12.35 Passed ⁶
Hex(C2A8A8)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 9.13 Passed ⁶
Hex(A68F8F)	Ratio: 2.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.21 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴
Hex(8C7575)	Ratio: 3.42 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(735C5C)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(594545)	Ratio: 7.11 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(402E2E)	Ratio: 10.20 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(2B1A1A)	Ratio: 13.28 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 7.48 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(170000)	Ratio: 16.21 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.59 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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