

Converting Colors - WCAG Matrix

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

	Hex(FEDDE4)	Hex(E1C1C8)	Hex(C5A6AD)	Hex(AA8C92)	Hex(8F7279)	Hex(755960)	Hex(5C4248)	Hex(442C32)	Hex(2E171D)	Hex(1B0002)
Hex(FEDDE4)		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 13.27 Passed ⁶	Ratio: 15.92 Passed ⁶
Hex(E1C1C8)	Ratio: 1.32 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 12.09 Passed ⁶
Hex(C5A6AD)	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.01 Passed ⁶
Hex(AA8C92)	Ratio: 2.43 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴
Hex(8F7279)	Ratio: 3.44 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(755960)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(5C4248)	Ratio: 7.16 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(442C32)	Ratio: 10.09 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(2E171D)	Ratio: 13.27 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 7.51 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(1B0002)	Ratio: 15.92 Passed ⁶	Ratio: 12.09 Passed ⁶	Ratio: 9.01 Passed ⁶	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 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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