

Converting Colors - WCAG Matrix

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

	Hex(FFE8F7)	Hex(E3CCDB)	Hex(C7B0BF)	Hex(AB96A3)	Hex(8F7D8A)	Hex(786370)	Hex(5E4A59)	Hex(453340)	Hex(2E1F2B)	Hex(1C0817)
Hex(FFE8F7)		Ratio: 1.30 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 10.07 Passed ⁶	Ratio: 13.47 Passed ⁶	Ratio: 16.54 Passed ⁶
Hex(E3CCDB)	Ratio: 1.30 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.34 Passed ⁶	Ratio: 12.70 Passed ⁶
Hex(C7B0BF)	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 9.48 Passed ⁶
Hex(AB96A3)	Ratio: 2.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(8F7D8A)	Ratio: 3.32 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(786370)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(5E4A59)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(453340)	Ratio: 10.07 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(2E1F2B)	Ratio: 13.47 Passed ⁶	Ratio: 10.34 Passed ⁶	Ratio: 7.71 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(1C0817)	Ratio: 16.54 Passed ⁶	Ratio: 12.70 Passed ⁶	Ratio: 9.48 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.23 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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