

Converting Colors - WCAG Matrix

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

	Hex(FFE7E9)	Hex(E2CBCD)	Hex(C6AFB1)	Hex(AB9597)	Hex(907B7D)	Hex(766264)	Hex(5E4A4C)	Hex(463435)	Hex(2F1E20)	Hex(1C0609)
Hex(FFE7E9)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 9.91 Passed ⁶	Ratio: 13.45 Passed ⁶	Ratio: 16.55 Passed ⁶
Hex(E2CBCD)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 12.65 Passed ⁶
Hex(C6AFB1)	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.42 Passed ⁶
Hex(AB9597)	Ratio: 2.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 6.93 AA ¹ AAA 18pt ⁴
Hex(907B7D)	Ratio: 3.36 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴
Hex(766264)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(5E4A4C)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(463435)	Ratio: 9.91 Passed ⁶	Ratio: 7.57 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(2F1E20)	Ratio: 13.45 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(1C0609)	Ratio: 16.55 Passed ⁶	Ratio: 12.65 Passed ⁶	Ratio: 9.42 Passed ⁶	Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.67 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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