

Converting Colors - WCAG Matrix

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

	Hex(240100)	Hex(371A1B)	Hex(4F2F30)	Hex(684647)	Hex(825E5E)	Hex(9C7677)	Hex(B79091)	Hex(D3ABAB)	Hex(F0C6C6)	Hex(FFE2E2)
Hex(240100)		Ratio: 1.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 9.43 Passed ⁶	Ratio: 12.60 Passed ⁶	Ratio: 15.96 Passed ⁶
Hex(371A1B)	Ratio: 1.23 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.99 Passed ⁶
Hex(4F2F30)	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 9.67 Passed ⁶
Hex(684647)	Ratio: 2.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴
Hex(825E5E)	Ratio: 3.44 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(9C7677)	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.27 AA 18pt ²
Hex(B79091)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(D3ABAB)	Ratio: 9.43 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(F0C6C6)	Ratio: 12.60 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 7.63 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FFE2E2)	Ratio: 15.96 Passed ⁶	Ratio: 12.99 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 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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