

Converting Colors - WCAG Matrix

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

	Hex(352122)	Hex(4C3637)	Hex(644D4E)	Hex(7E6566)	Hex(987E7F)	Hex(B39899)	Hex(CEB3B4)	Hex(EBCFCF)	Hex(FFEBEb)	Hex(FFFFFF)
Hex(352122)		Ratio: 1.36 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.32 Passed ⁶	Ratio: 13.17 Passed ⁶	Ratio: 15.09 Passed ⁶
Hex(4C3637)	Ratio: 1.36 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 11.11 Passed ⁶
Hex(644D4E)	Ratio: 1.95 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶
Hex(7E6566)	Ratio: 2.83 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴
Hex(987E7F)	Ratio: 4.04 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.73 AA 18pt ²
Hex(B39899)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(CEB3B4)	Ratio: 7.71 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(EBCFCF)	Ratio: 10.32 Passed ⁶	Ratio: 7.60 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(FFEBEb)	Ratio: 13.17 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(FFFFFF)	Ratio: 15.09 Passed ⁶	Ratio: 11.11 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.15 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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