

Converting Colors - WCAG Matrix

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

	Hex(302F33)	Hex(46454A)	Hex(5E5D61)	Hex(77757A)	Hex(908F94)	Hex(ABA9AE)	Hex(C6C5CA)	Hex(E2E1E6)	Hex(FFFDFF)	Hex(FFFFFF)
Hex(302F33)		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 13.13 Passed ⁶	Ratio: 13.29 Passed ⁶
Hex(46454A)	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 9.50 Passed ⁶
Hex(5E5D61)	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 6.53 AA ¹ AAA 18pt ⁴
Hex(77757A)	Ratio: 2.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴
Hex(908F94)	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.21 AA 18pt ²
Hex(ABA9AE)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(C6C5CA)	Ratio: 7.75 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(E2E1E6)	Ratio: 10.22 Passed ⁶	Ratio: 7.30 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(FFFDFF)	Ratio: 13.13 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFFF)	Ratio: 13.29 Passed ⁶	Ratio: 9.50 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.01 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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