

Converting Colors - WCAG Matrix

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

	Hex(FFFAFF)	Hex(E6DDFF)	Hex(CAC1EA)	Hex(AFA6CE)	Hex(948CB2)	Hex(7A7297)	Hex(615A7D)	Hex(484264)	Hex(312C4C)	Hex(1B1735)
Hex(FFFAFF)		Ratio: 1.26 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 9.10 Passed ⁶	Ratio: 12.77 Passed ⁶	Ratio: 16.69 Passed ⁶
Hex(E6DDFF)	Ratio: 1.26 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 13.23 Passed ⁶
Hex(CAC1EA)	Ratio: 1.65 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.10 Passed ⁶
Hex(AFA6CE)	Ratio: 2.22 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶
Hex(948CB2)	Ratio: 3.06 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴
Hex(7A7297)	Ratio: 4.35 AA 18pt ²	Ratio: 3.45 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.84 AA 18pt ²
Hex(615A7D)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.68 Failed ⁵
Hex(484264)	Ratio: 9.10 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(312C4C)	Ratio: 12.77 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(1B1735)	Ratio: 16.69 Passed ⁶	Ratio: 13.23 Passed ⁶	Ratio: 10.10 Passed ⁶	Ratio: 7.51 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.31 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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