

Converting Colors - WCAG Matrix

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

	Hex(23182A)	Hex(FFFBFF)	Hex(504357)	Hex(685A70)	Hex(817389)	Hex(9B8DA3)	Hex(B6A7BF)	Hex(D2C2DA)	Hex(EDEDF7)
Hex(23182A)		Ratio: 16.59 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶	Ratio: 10.09 Passed ⁶	Ratio: 13.29 Passed ⁶
Hex(FFFBFF)	Ratio: 16.59 Passed ⁶		Ratio: 8.98 Passed ⁶	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(504357)	Ratio: 1.85 Failed ⁵	Ratio: 8.98 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.20 Passed ⁶
Hex(685A70)	Ratio: 2.66 Failed ⁵	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴
Hex(817389)	Ratio: 3.84 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.46 AA 18pt ²
Hex(9B8DA3)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.04 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(B6A7BF)	Ratio: 7.50 Passed ⁶	Ratio: 2.21 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(D2C2DA)	Ratio: 10.09 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(EDEDF7)	Ratio: 13.29 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 7.20 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 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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