

Converting Colors - WCAG Matrix

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

	Hex(181F1E)	Hex(FAFFFF)	Hex(434B4A)	Hex(5A6361)	Hex(737B7A)	Hex(8C9594)	Hex(A7B0AE)	Hex(C2CBCA)	Hex(DEE7E6)
Hex(181F1E)		Ratio: 16.60 Passed ⁶	Ratio: 1.87 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶	Ratio: 10.12 Passed ⁶	Ratio: 13.30 Passed ⁶
Hex(FAFFFF)	Ratio: 16.60 Passed ⁶		Ratio: 8.88 Passed ⁶	Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(434B4A)	Ratio: 1.87 Failed ⁵	Ratio: 8.88 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶
Hex(5A6361)	Ratio: 2.71 Failed ⁵	Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴
Hex(737B7A)	Ratio: 3.86 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(8C9594)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.04 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(A7B0AE)	Ratio: 7.55 Passed ⁶	Ratio: 2.20 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(C2CBCA)	Ratio: 10.12 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(DEE7E6)	Ratio: 13.30 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 7.12 Passed ⁶	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.76 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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