

Converting Colors - WCAG Matrix

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

	Hex(434347)	Hex(FFFFFF)	Hex(727277)	Hex(8C8C91)	Hex(A6A6AB)	Hex(C1C1C6)	Hex(DDDDE2)	Hex(FAFAFF)
Hex(434347)		Ratio: 9.85 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 9.46 Passed ⁶
Hex(FFFFFF)	Ratio: 9.85 Passed ⁶		Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(727277)	Ratio: 2.06 Failed ⁵	Ratio: 4.78 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴
Hex(8C8C91)	Ratio: 2.94 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(A6A6AB)	Ratio: 4.06 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(C1C1C6)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 1.79 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(DDDDE2)	Ratio: 7.28 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(FAFAFF)	Ratio: 9.46 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 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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