

Converting Colors - WCAG Matrix

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

	Hex(434A44)	Hex(FFFFFF)	Hex(737B74)	Hex(8C948E)	Hex(A6AFA8)	Hex(C2CAC3)	Hex(DDE6DF)	Hex(FAFFFC)
Hex(434A44)		Ratio: 9.12 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.15 Passed ⁶	Ratio: 9.03 Passed ⁶
Hex(FFFFFF)	Ratio: 9.12 Passed ⁶		Ratio: 4.36 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(737B74)	Ratio: 2.09 Failed ⁵	Ratio: 4.36 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.32 AA 18pt ²
Hex(8C948E)	Ratio: 2.93 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(A6AFA8)	Ratio: 4.05 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(C2CAC3)	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 1.68 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(DDE6DF)	Ratio: 7.15 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(FAFFFC)	Ratio: 9.03 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.32 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 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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