

Converting Colors - WCAG Matrix

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

	Hex(454B54)	Hex(FFFFFF)	Hex(757B86)	Hex(8F95A0)	Hex(A9B0BB)	Hex(C5CBD7)	Hex(E1E7F3)	Hex(FDFFFF)
Hex(454B54)		Ratio: 8.80 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶	Ratio: 8.76 Passed ⁶
Hex(FFFFFF)	Ratio: 8.80 Passed ⁶		Ratio: 4.26 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(757B86)	Ratio: 2.07 Failed ⁵	Ratio: 4.26 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(8F95A0)	Ratio: 2.92 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(A9B0BB)	Ratio: 4.03 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(C5CBD7)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 1.63 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(E1E7F3)	Ratio: 7.09 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(FDFFFF)	Ratio: 8.76 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 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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