

Converting Colors - WCAG Matrix

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

	Hex(141733)	Hex(2A2B4A)	Hex(414162)	Hex(59597B)	Hex(727194)	Hex(8C8BAF)	Hex(A7A5CB)	Hex(C2C0E7)	Hex(DEDCE7)	Hex(FBF8FF)
Hex(141733)		Ratio: 1.29 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 9.99 Passed ⁶	Ratio: 13.15 Passed ⁶	Ratio: 16.64 Passed ⁶
Hex(2A2B4A)	Ratio: 1.29 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 12.95 Passed ⁶
Hex(414162)	Ratio: 1.80 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶	Ratio: 9.26 Passed ⁶
Hex(59597B)	Ratio: 2.62 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴
Hex(727194)	Ratio: 3.75 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(8C8BAF)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(A7A5CB)	Ratio: 7.41 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(C2C0E7)	Ratio: 9.99 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(DEDCE7)	Ratio: 13.15 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FBF8FF)	Ratio: 16.64 Passed ⁶	Ratio: 12.95 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 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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