

Converting Colors - WCAG Matrix

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

	Hex(00112B)	Hex(E5F0FF)	Hex(2F3B59)	Hex(465272)	Hex(5F6A8B)	Hex(7883A6)	Hex(929DC1)	Hex(ADB8DD)	Hex(C9D4F9)
Hex(00112B)		Ratio: 16.36 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶	Ratio: 9.58 Passed ⁶	Ratio: 12.80 Passed ⁶
Hex(E5F0FF)	Ratio: 16.36 Passed ⁶		Ratio: 9.65 Passed ⁶	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(2F3B59)	Ratio: 1.70 Failed ⁵	Ratio: 9.65 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶
Hex(465272)	Ratio: 2.43 Failed ⁵	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(5F6A8B)	Ratio: 3.52 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.64 AA 18pt ²
Hex(7883A6)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(929DC1)	Ratio: 7.01 Passed ⁶	Ratio: 2.33 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(ADB8DD)	Ratio: 9.58 Passed ⁶	Ratio: 1.71 Failed ⁵	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(C9D4F9)	Ratio: 12.80 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 7.55 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 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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