

Converting Colors - WCAG Matrix

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

	Hex(192C3B)	Hex(304252)	Hex(47596A)	Hex(5F7283)	Hex(788B9E)	Hex(92A6B8)	Hex(ADC1D4)	Hex(C9DDF1)	Hex(E5F9FF)	Hex(FFFFFF)
Hex(192C3B)		Ratio: 1.38 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 10.31 Passed ⁶	Ratio: 13.19 Passed ⁶	Ratio: 14.34 Passed ⁶
Hex(304252)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 10.36 Passed ⁶
Hex(47596A)	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 7.23 Passed ⁶
Hex(5F7283)	Ratio: 2.88 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(788B9E)	Ratio: 4.09 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(92A6B8)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(ADC1D4)	Ratio: 7.75 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(C9DDF1)	Ratio: 10.31 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(E5F9FF)	Ratio: 13.19 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFFFF)	Ratio: 14.34 Passed ⁶	Ratio: 10.36 Passed ⁶	Ratio: 7.23 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.09 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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