

Converting Colors - WCAG Matrix

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

	Hex(A1C2E6)	Hex(87A6C9)	Hex(6B8CAD)	Hex(527394)	Hex(385978)	Hex(1C4261)	Hex(002E4A)	Hex(001A33)	Hex(00031C)	Hex(000000)
Hex(A1C2E6)		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 11.05 Passed ⁶	Ratio: 11.37 Passed ⁶
Hex(87A6C9)	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 8.09 Passed ⁶	Ratio: 8.33 Passed ⁶
Hex(6B8CAD)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 5.98 AA ¹ AAA 18pt ⁴
Hex(527394)	Ratio: 2.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.12 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(385978)	Ratio: 3.97 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(1C4261)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(002E4A)	Ratio: 7.64 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(001A33)	Ratio: 9.51 Passed ⁶	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(00031C)	Ratio: 11.05 Passed ⁶	Ratio: 8.09 Passed ⁶	Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 11.37 Passed ⁶	Ratio: 8.33 Passed ⁶	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.03 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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