

Converting Colors - WCAG Matrix

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

	Hex(8CBAFF)	Hex(6F9FE2)	Hex(5385C6)	Hex(346CAA)	Hex(055490)	Hex(003D76)	Hex(00285D)	Hex(001445)	Hex(00042E)	Hex(000118)
Hex(8CBAFF)		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶	Ratio: 8.92 Passed ⁶	Ratio: 10.01 Passed ⁶	Ratio: 10.40 Passed ⁶
Hex(6F9FE2)	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶	Ratio: 7.60 Passed ⁶
Hex(5385C6)	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 5.44 AA ¹ AAA 18pt ⁴
Hex(346CAA)	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 3.80 AA 18pt ²
Hex(055490)	Ratio: 3.95 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(003D76)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(00285D)	Ratio: 7.24 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(001445)	Ratio: 8.92 Passed ⁶	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(00042E)	Ratio: 10.01 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000118)	Ratio: 10.40 Passed ⁶	Ratio: 7.60 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.04 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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