

Converting Colors - WCAG Matrix

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

	Hex(000224)	Hex(8AF1FF)	Hex(003A50)	Hex(005268)	Hex(006A82)	Hex(00839C)	Hex(259EB6)	Hex(4BB9D2)	Hex(6BD4EE)
Hex(000224)		Ratio: 15.57 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 8.87 Passed ⁶	Ratio: 11.87 Passed ⁶
Hex(8AF1FF)	Ratio: 15.57 Passed ⁶		Ratio: 9.36 Passed ⁶	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(003A50)	Ratio: 1.66 Failed ⁵	Ratio: 9.36 Passed ⁶		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶
Hex(005268)	Ratio: 2.33 Failed ⁵	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴
Hex(006A82)	Ratio: 3.27 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.63 AA 18pt ²
Hex(00839C)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(259EB6)	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 2.42 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(4BB9D2)	Ratio: 8.87 Passed ⁶	Ratio: 1.76 Failed ⁵	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(6BD4EE)	Ratio: 11.87 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.13 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.85 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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