

Converting Colors - WCAG Matrix

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

	Hex(92FFFF)	Hex(72EBFF)	Hex(4FCFFA)	Hex(21B3DD)	Hex(0099C1)	Hex(007FA6)	Hex(00658B)	Hex(004D72)	Hex(003659)	Hex(002241)
Hex(92FFFF)		Ratio: 1.19 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.80 Passed ⁶	Ratio: 10.75 Passed ⁶	Ratio: 13.77 Passed ⁶
Hex(72EBFF)	Ratio: 1.19 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 9.00 Passed ⁶	Ratio: 11.53 Passed ⁶
Hex(4FCFFA)	Ratio: 1.54 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 8.92 Passed ⁶
Hex(21B3DD)	Ratio: 2.10 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴
Hex(0099C1)	Ratio: 2.84 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(007FA6)	Ratio: 3.92 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(00658B)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(004D72)	Ratio: 7.80 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(003659)	Ratio: 10.75 Passed ⁶	Ratio: 9.00 Passed ⁶	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(002241)	Ratio: 13.77 Passed ⁶	Ratio: 11.53 Passed ⁶	Ratio: 8.92 Passed ⁶	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.28 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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