

Converting Colors - WCAG Matrix

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

	Hex(8FEFF9)	Hex(72D2DC)	Hex(54B7C0)	Hex(349CA5)	Hex(00818B)	Hex(006872)	Hex(004F59)	Hex(003842)	Hex(00232C)	Hex(000118)
Hex(8FEFF9)		Ratio: 1.33 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 12.44 Passed ⁶	Ratio: 15.61 Passed ⁶
Hex(72D2DC)	Ratio: 1.33 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 9.37 Passed ⁶	Ratio: 11.76 Passed ⁶
Hex(54B7C0)	Ratio: 1.78 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 8.76 Passed ⁶
Hex(349CA5)	Ratio: 2.46 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴
Hex(00818B)	Ratio: 3.52 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(006872)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(004F59)	Ratio: 7.02 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(003842)	Ratio: 9.66 Passed ⁶	Ratio: 7.28 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(00232C)	Ratio: 12.44 Passed ⁶	Ratio: 9.37 Passed ⁶	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(000118)	Ratio: 15.61 Passed ⁶	Ratio: 11.76 Passed ⁶	Ratio: 8.76 Passed ⁶	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 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.