

Converting Colors - WCAG Matrix

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

	Hex(C4FFFF)	Hex(A8E3E3)	Hex(8CC7C7)	Hex(73ABAB)	Hex(598F91)	Hex(3D7578)	Hex(245E5E)	Hex(034547)	Hex(002E30)	Hex(001C1C)
Hex(C4FFFF)		Ratio: 1.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 9.81 Passed ⁶	Ratio: 13.32 Passed ⁶	Ratio: 16.14 Passed ⁶
Hex(A8E3E3)	Ratio: 1.29 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.30 Passed ⁶	Ratio: 12.48 Passed ⁶
Hex(8CC7C7)	Ratio: 1.72 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.39 Passed ⁶
Hex(73ABAB)	Ratio: 2.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴
Hex(598F91)	Ratio: 3.31 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(3D7578)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(245E5E)	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(034547)	Ratio: 9.81 Passed ⁶	Ratio: 7.58 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(002E30)	Ratio: 13.32 Passed ⁶	Ratio: 10.30 Passed ⁶	Ratio: 7.75 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(001C1C)	Ratio: 16.14 Passed ⁶	Ratio: 12.48 Passed ⁶	Ratio: 9.39 Passed ⁶	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.21 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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