

Converting Colors - WCAG Matrix

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

	Hex(9CE0F6)	Hex(80C4DA)	Hex(64A9BE)	Hex(498EA3)	Hex(2B7588)	Hex(005C6F)	Hex(004456)	Hex(002E3F)	Hex(001A29)	Hex(000114)
Hex(9CE0F6)		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶	Ratio: 9.85 Passed ⁶	Ratio: 12.21 Passed ⁶	Ratio: 14.20 Passed ⁶
Hex(80C4DA)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 10.67 Passed ⁶
Hex(64A9BE)	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 7.85 Passed ⁶
Hex(498EA3)	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.60 AA ¹ AAA 18pt ⁴
Hex(2B7588)	Ratio: 3.60 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.95 AA 18pt ²
Hex(005C6F)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(004456)	Ratio: 7.35 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(002E3F)	Ratio: 9.85 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(001A29)	Ratio: 12.21 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(000114)	Ratio: 14.20 Passed ⁶	Ratio: 10.67 Passed ⁶	Ratio: 7.85 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.16 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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