

Converting Colors - WCAG Matrix

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

	Hex(D1FCFF)	Hex(B5E0E2)	Hex(9AC4C6)	Hex(7FA9AB)	Hex(668E91)	Hex(4D7477)	Hex(345C5E)	Hex(1C4447)	Hex(012E30)	Hex(001A1B)
Hex(D1FCFF)		Ratio: 1.30 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 9.70 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 16.40 Passed ⁶
Hex(B5E0E2)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.65 Passed ⁶
Hex(9AC4C6)	Ratio: 1.72 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.53 Passed ⁶
Hex(7FA9AB)	Ratio: 2.34 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶
Hex(668E91)	Ratio: 3.27 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(4D7477)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(345C5E)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(1C4447)	Ratio: 9.70 Passed ⁶	Ratio: 7.49 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(012E30)	Ratio: 13.30 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001A1B)	Ratio: 16.40 Passed ⁶	Ratio: 12.65 Passed ⁶	Ratio: 9.53 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.23 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.

This PDF was generated on convertingcolors.com.