

Converting Colors - WCAG Matrix

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

	Hex(0A3838)	Hex(F9FFFF)	Hex(3D6767)	Hex(568080)	Hex(6F9A9A)	Hex(89B5B5)	Hex(A4D1D0)	Hex(C0EDEC)	Hex(DCFFFF)
Hex(0A3838)		Ratio: 12.70 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 12.10 Passed ⁶
Hex(F9FFFF)	Ratio: 12.70 Passed ⁶		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 4.33 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(3D6767)	Ratio: 2.04 Failed ⁵	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴
Hex(568080)	Ratio: 2.93 Failed ⁵	Ratio: 4.33 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(6F9A9A)	Ratio: 4.14 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(89B5B5)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.22 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(A4D1D0)	Ratio: 7.71 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(C0EDEC)	Ratio: 10.13 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(DCFFFF)	Ratio: 12.10 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 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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