

Converting Colors - WCAG Matrix

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

	Hex(F5FFFF)	Hex(D9E3E3)	Hex(BDC7C7)	Hex(A3ABAB)	Hex(879191)	Hex(6E7878)	Hex(575E5E)	Hex(3D4747)	Hex(293030)	Hex(141C1C)
Hex(F5FFFF)		Ratio: 1.29 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 9.42 Passed ⁶	Ratio: 13.23 Passed ⁶	Ratio: 17.01 Passed ⁶
Hex(D9E3E3)	Ratio: 1.29 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 13.23 Passed ⁶
Hex(BDC7C7)	Ratio: 1.70 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.79 Passed ⁶	Ratio: 10.03 Passed ⁶
Hex(A3ABAB)	Ratio: 2.30 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶
Hex(879191)	Ratio: 3.18 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴
Hex(6E7878)	Ratio: 4.46 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.81 AA 18pt ²
Hex(575E5E)	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(3D4747)	Ratio: 9.42 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(293030)	Ratio: 13.23 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 7.79 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(141C1C)	Ratio: 17.01 Passed ⁶	Ratio: 13.23 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 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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