

Converting Colors - WCAG Matrix

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

	Hex(243D3D)	Hex(3B5454)	Hex(526D6D)	Hex(6B8686)	Hex(85A0A0)	Hex(9FB BBB)	Hex(BAD7D7)	Hex(D6F3F3)	Hex(F2FFFF)	Hex(FFFFFF)
Hex(243D3D)		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 11.34 Passed ⁶	Ratio: 11.60 Passed ⁶
Hex(3B5454)	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.99 AA 18pt ² AAA 18pt ⁴	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 7.95 Passed ⁶	Ratio: 8.13 Passed ⁶
Hex(526D6D)	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.66 AA 18pt ² AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴
Hex(6B8686)	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 3.90 AA 18pt ²
Hex(85A0A0)	Ratio: 4.16 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(9FB BBB)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(BAD7D7)	Ratio: 7.62 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(D6F3F3)	Ratio: 9.93 Passed ⁶	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(F2FFFF)	Ratio: 11.34 Passed ⁶	Ratio: 7.95 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 11.60 Passed ⁶	Ratio: 8.13 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.02 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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