

Converting Colors - WCAG Matrix

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

	Hex(B5B3C5)	Hex(A39FC5)	Hex(928CC5)	Hex(8078C5)	Hex(6F64C5)	Hex(5D50C5)	Hex(4C3DC5)	Hex(3A29C5)	Hex(2915C5)	Hex(1702C5)
Hex(B5B3C5)		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 5.52 AA ¹ AAA 18pt ⁴
Hex(A39FC5)	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(928CC5)	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.66 AA 18pt ²
Hex(8078C5)	Ratio: 1.89 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(6F64C5)	Ratio: 2.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(5D50C5)	Ratio: 2.99 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(4C3DC5)	Ratio: 3.67 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(3A29C5)	Ratio: 4.44 AA 18pt ²	Ratio: 3.61 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(2915C5)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(1702C5)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.08 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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