

Converting Colors - WCAG Matrix

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

	Hex(2415CF)	Hex(372ACF)	Hex(4A3ECF)	Hex(5D53CF)	Hex(7068CF)	Hex(837DCF)	Hex(9691CF)	Hex(A9A6CF)	Hex(BCBBCF)	Hex(CFCFCF)
Hex(2415CF)		Ratio: 1.15 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.47 AA ¹ AAA 18pt ⁴
Hex(372ACF)	Ratio: 1.15 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴
Hex(4A3ECF)	Ratio: 1.38 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.87 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴
Hex(5D53CF)	Ratio: 1.73 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.74 AA 18pt ²
Hex(7068CF)	Ratio: 2.19 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(837DCF)	Ratio: 2.78 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(9691CF)	Ratio: 3.48 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(A9A6CF)	Ratio: 4.34 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(BCBBCF)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(CFCFCF)	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 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.