

Converting Colors - WCAG Matrix

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

	Hex(E69CE1)	Hex(C981C5)	Hex(AD67A9)	Hex(924E8F)	Hex(773575)	Hex(5D1C5C)	Hex(440044)	Hex(2D002E)	Hex(0C0019)	Hex(000000)
Hex(E69CE1)		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 8.87 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 10.21 Passed ⁶
Hex(C981C5)	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶	Ratio: 7.43 Passed ⁶
Hex(AD67A9)	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴
Hex(924E8F)	Ratio: 2.75 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 3.71 AA 18pt ²
Hex(773575)	Ratio: 4.00 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(5D1C5C)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(440044)	Ratio: 7.68 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(2D002E)	Ratio: 8.87 Passed ⁶	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(0C0019)	Ratio: 9.91 Passed ⁶	Ratio: 7.22 Passed ⁶	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 10.21 Passed ⁶	Ratio: 7.43 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.03 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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