

Converting Colors - WCAG Matrix

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

	Hex(FFB8FF)	Hex(E29CE2)	Hex(C582C6)	Hex(A968AB)	Hex(8E4E90)	Hex(743676)	Hex(5A1D5D)	Hex(410245)	Hex(2B002F)	Hex(050019)
Hex(FFB8FF)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 11.85 Passed ⁶	Ratio: 13.28 Passed ⁶
Hex(E29CE2)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 8.82 Passed ⁶	Ratio: 9.89 Passed ⁶
Hex(C582C6)	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶
Hex(A968AB)	Ratio: 2.58 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(8E4E90)	Ratio: 3.72 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(743676)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(5A1D5D)	Ratio: 7.66 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(410245)	Ratio: 10.27 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(2B002F)	Ratio: 11.85 Passed ⁶	Ratio: 8.82 Passed ⁶	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(050019)	Ratio: 13.28 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.12 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.

This PDF was generated on convertingcolors.com.