

Converting Colors - WCAG Matrix

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

	Hex(DD83DC)	Hex(C168C0)	Hex(A54EA5)	Hex(89348A)	Hex(6E1870)	Hex(540058)	Hex(3A0040)	Hex(240029)	Hex(000113)	Hex(000000)
Hex(DD83DC)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶	Ratio: 8.24 Passed ⁶	Ratio: 8.35 Passed ⁶
Hex(C168C0)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(A54EA5)	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(89348A)	Ratio: 2.86 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(6E1870)	Ratio: 4.12 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(540058)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(3A0040)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(240029)	Ratio: 7.55 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(000113)	Ratio: 8.24 Passed ⁶	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 8.35 Passed ⁶	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.01 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.