

Converting Colors - WCAG Matrix

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

	Hex(FF59C0)	Hex(E039A5)	Hex(C2078A)	Hex(A50071)	Hex(870058)	Hex(6A0041)	Hex(4F002A)	Hex(330015)	Hex(030000)	Hex(000000)
Hex(FF59C0)		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 7.44 Passed ⁶
Hex(E039A5)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 5.30 AA ¹ AAA 18pt ⁴
Hex(C2078A)	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 3.69 AA 18pt ²
Hex(A50071)	Ratio: 2.62 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(870058)	Ratio: 3.43 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(6A0041)	Ratio: 4.41 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(4F002A)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(330015)	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(030000)	Ratio: 7.41 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 7.44 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.00 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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