

Converting Colors - WCAG Matrix

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

	Hex(F85CB)	Hex(E16AB0)	Hex(C44E95)	Hex(A7327B)	Hex(8B0F62)	Hex(6F004A)	Hex(540033)	Hex(3B001F)	Hex(1E0001)	Hex(000000)
Hex(F85CB)		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 7.85 Passed ⁶	Ratio: 8.97 Passed ⁶	Ratio: 9.47 Passed ⁶
Hex(E16AB0)	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 6.89 AA ¹ AAA 18pt ⁴
Hex(C44E95)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(A7327B)	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(8B0F62)	Ratio: 4.04 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(6F004A)	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(540033)	Ratio: 6.65 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(3B001F)	Ratio: 7.85 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(1E0001)	Ratio: 8.97 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 9.47 Passed ⁶	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.06 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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