

Converting Colors - WCAG Matrix

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

	Hex(F00A8)	Hex(E0008E)	Hex(C00074)	Hex(A2005B)	Hex(830044)	Hex(65002D)	Hex(480019)	Hex(290001)	Hex(000000)
Hex(F00A8)		Ratio: 1.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 5.82 AA ¹ AAA 18pt ⁴
Hex(E0008E)	Ratio: 1.28 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴
Hex(C00074)	Ratio: 1.67 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.49 AA 18pt ²
Hex(A2005B)	Ratio: 2.16 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(830044)	Ratio: 2.84 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(65002D)	Ratio: 3.66 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(480019)	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(290001)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 5.82 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.09 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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