

Converting Colors - WCAG Matrix

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

	Hex(FF39E1)	Hex(E000C5)	Hex(C200A9)	Hex(A4008E)	Hex(860074)	Hex(69005B)	Hex(4E0043)	Hex(30002C)	Hex(040015)	Hex(000000)
Hex(FF39E1)		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(E000C5)	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.28 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(C200A9)	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 3.87 AA 18pt ²
Hex(A4008E)	Ratio: 2.33 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(860074)	Ratio: 3.06 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(69005B)	Ratio: 3.95 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(4E0043)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(30002C)	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(040015)	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.02 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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