

Converting Colors - WCAG Matrix

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

	Hex(ED009E)	Hex(CE0084)	Hex(AF006B)	Hex(910052)	Hex(73003B)	Hex(560025)	Hex(39000E)	Hex(120000)	Hex(000000)
Hex(ED009E)		Ratio: 1.29 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(CE0084)	Ratio: 1.29 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(AF006B)	Ratio: 1.68 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(910052)	Ratio: 2.19 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(73003B)	Ratio: 2.84 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(560025)	Ratio: 3.58 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(39000E)	Ratio: 4.32 AA 18pt ²	Ratio: 3.35 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(120000)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.03 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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