

Converting Colors - WCAG Matrix

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

	Hex(EC85CA)	Hex(CF6AAF)	Hex(B25094)	Hex(96357A)	Hex(7B1861)	Hex(600049)	Hex(460032)	Hex(2F001E)	Hex(000000)
Hex(EC85CA)		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 8.77 Passed ⁶
Hex(CF6AAF)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴
Hex(B25094)	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(96357A)	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(7B1861)	Ratio: 4.09 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(600049)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(460032)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(2F001E)	Ratio: 7.70 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 8.77 Passed ⁶	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 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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