

Converting Colors - WCAG Matrix

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

	Hex(5E133C)	Hex(FFFFFF)	Hex(94466B)	Hex(B05F84)	Hex(CC799F)	Hex(E994B9)	Hex(FFAFD5)	Hex(FFCBF1)	Hex(FFE7FF)
Hex(5E133C)		Ratio: 12.85 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶	Ratio: 9.22 Passed ⁶	Ratio: 11.09 Passed ⁶
Hex(FFFFFF)	Ratio: 12.85 Passed ⁶		Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(94466B)	Ratio: 2.05 Failed ⁵	Ratio: 6.27 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 5.41 AA ¹ AAA 18pt ⁴
Hex(B05F84)	Ratio: 2.95 Failed ⁵	Ratio: 4.36 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.76 AA 18pt ²
Hex(CC799F)	Ratio: 4.16 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(E994B9)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 2.23 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(FFAFD5)	Ratio: 7.55 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFCBF1)	Ratio: 9.22 Passed ⁶	Ratio: 1.39 Failed ⁵	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE7FF)	Ratio: 11.09 Passed ⁶	Ratio: 1.16 Failed ⁵	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 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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