

Converting Colors - WCAG Matrix

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

	Hex(5B345E)	Hex(FFFFFF)	Hex(8E6491)	Hex(A97DAB)	Hex(C497C6)	Hex(E1B2E3)	Hex(FECEFF)	Hex(FFEAFF)
Hex(5B345E)		Ratio: 10.01 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 8.80 Passed ⁶
Hex(FFFFFF)	Ratio: 10.01 Passed ⁶		Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(8E6491)	Ratio: 2.09 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.21 AA 18pt ²
Hex(A97DAB)	Ratio: 2.96 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(C497C6)	Ratio: 4.09 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(E1B2E3)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 1.80 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(FECEFF)	Ratio: 7.38 Passed ⁶	Ratio: 1.36 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFEAFF)	Ratio: 8.80 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 4.21 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.19 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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