

Converting Colors - WCAG Matrix

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

	Hex(5E3A5E)	Hex(FFFFFF)	Hex(916A90)	Hex(AC83AB)	Hex(C89EC6)	Hex(E4B9E2)	Hex(FFD5FF)	Hex(FFF1FF)
Hex(5E3A5E)		Ratio: 9.36 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.23 Passed ⁶	Ratio: 8.60 Passed ⁶
Hex(FFFFFF)	Ratio: 9.36 Passed ⁶		Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(916A90)	Ratio: 2.08 Failed ⁵	Ratio: 4.50 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(AC83AB)	Ratio: 2.94 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(C89EC6)	Ratio: 4.09 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(E4B9E2)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 1.70 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(FFD5FF)	Ratio: 7.23 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFF1FF)	Ratio: 8.60 Passed ⁶	Ratio: 1.09 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.56 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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