

Converting Colors - WCAG Matrix

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

	Hex(411C5C)	Hex(FFFFFF)	Hex(744B8F)	Hex(8E63A9)	Hex(A97DC5)	Hex(C597E1)	Hex(E1B2FE)	Hex(FECEFF)	Hex(FFEAFF)
Hex(411C5C)		Ratio: 13.59 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 11.95 Passed ⁶
Hex(FFFFFF)	Ratio: 13.59 Passed ⁶		Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(744B8F)	Ratio: 2.04 Failed ⁵	Ratio: 6.68 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.87 AA ¹ AAA 18pt ⁴
Hex(8E63A9)	Ratio: 2.92 Failed ⁵	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.10 AA 18pt ²
Hex(A97DC5)	Ratio: 4.16 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(C597E1)	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 2.36 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(E1B2FE)	Ratio: 7.77 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(FECEFF)	Ratio: 10.02 Passed ⁶	Ratio: 1.36 Failed ⁵	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFEAFF)	Ratio: 11.95 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.54 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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