

Converting Colors - WCAG Matrix

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

	Hex(72004A)	Hex(FFDBFF)	Hex(AA427B)	Hex(C75C95)	Hex(E477B0)	Hex(FF92CB)	Hex(FFAEE7)	Hex(FFCAFF)
Hex(72004A)		Ratio: 9.28 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 8.35 Passed ⁶
Hex(FFDBFF)	Ratio: 9.28 Passed ⁶		Ratio: 4.46 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(AA427B)	Ratio: 2.08 Failed ⁵	Ratio: 4.46 AA 18pt ²		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.01 AA 18pt ²
Hex(C75C95)	Ratio: 2.97 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(E477B0)	Ratio: 4.17 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FF92CB)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 1.65 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(FFAEE7)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 1.35 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFCAFF)	Ratio: 8.35 Passed ⁶	Ratio: 1.11 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 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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