

Converting Colors - WCAG Matrix

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

	Hex(3A3A92)	Hex(FFFFFF)	Hex(726AC9)	Hex(8E83E5)	Hex(AA9DFF)	Hex(C6B8FF)	Hex(E4D4FF)	Hex(FFF0FF)
Hex(3A3A92)		Ratio: 9.54 Passed ⁶	Ratio: 2.10 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 8.71 Passed ⁶
Hex(FFFFFF)	Ratio: 9.54 Passed ⁶		Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(726AC9)	Ratio: 2.10 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.15 AA 18pt ²
Hex(8E83E5)	Ratio: 2.97 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(AA9DFF)	Ratio: 4.08 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(C6B8FF)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 1.79 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(E4D4FF)	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 1.39 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(FFF0FF)	Ratio: 8.71 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.26 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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