

Converting Colors - WCAG Matrix

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

	Hex(6C54B8)	Hex(FFFFFF)	Hex(A487F0)	Hex(C0A1FF)	Hex(DDBCFF)	Hex(FAD8FF)	Hex(FFF5FF)
Hex(6C54B8)		Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 5.49 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.84 AA ¹ AAA 18pt ⁴		Ratio: 2.88 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(A487F0)	Ratio: 2.03 Failed ⁵	Ratio: 2.88 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(C0A1FF)	Ratio: 2.72 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(DDBCFF)	Ratio: 3.53 AA 18pt ²	Ratio: 1.65 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FAD8FF)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFF5FF)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 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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