

Converting Colors - WCAG Matrix

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

	Hex(4613AB)	Hex(FFFFFF)	Hex(8349E4)	Hex(A063FF)	Hex(BE7EFF)	Hex(DC99FF)	Hex(FAB4FF)	Hex(FFD1FF)	Hex(FFEDFF)
Hex(4613AB)		Ratio: 10.82 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 8.15 Passed ⁶	Ratio: 9.69 Passed ⁶
Hex(FFFFFF)	Ratio: 10.82 Passed ⁶		Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(8349E4)	Ratio: 2.08 Failed ⁵	Ratio: 5.20 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴
Hex(A063FF)	Ratio: 2.95 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(BE7EFF)	Ratio: 3.92 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(DC99FF)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 2.09 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(FAB4FF)	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 1.61 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFD1FF)	Ratio: 8.15 Passed ⁶	Ratio: 1.33 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFEDFF)	Ratio: 9.69 Passed ⁶	Ratio: 1.12 Failed ⁵	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.44 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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