

Converting Colors - WCAG Matrix

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

Hex(4D6DAA) Hex(FFFFFF) Hex(84A0E1) Hex(9FBBFE) Hex(BCD7FF) Hex(D8F3FF) Hex(F6FFFF)

	Hex(4D6DAA)	Hex(FFFFFF)	Hex(84A0E1)	Hex(9FBBFE)	Hex(BCD7FF)	Hex(D8F3FF)	Hex(F6FFFF)
Hex(4D6DAA)		Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 1.98 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.45 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.14 AA ¹ AAA 18pt ⁴		Ratio: 2.59 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(84A0E1)	Ratio: 1.98 Failed ⁵	Ratio: 2.59 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(9FBBFE)	Ratio: 2.70 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(BCD7FF)	Ratio: 3.50 AA 18pt ²	Ratio: 1.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(D8F3FF)	Ratio: 4.45 AA 18pt ²	Ratio: 1.15 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(F6FFFF)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.14 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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