

Converting Colors - WCAG Matrix

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

	Hex(4E61A2)	Hex(FFFFFF)	Hex(8494D9)	Hex(9FAEF6)	Hex(BBC9FF)	Hex(D8E5FF)	Hex(F5FFFF)
Hex(4E61A2)		Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.91 AA ¹ AAA 18pt ⁴		Ratio: 2.91 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(8494D9)	Ratio: 2.03 Failed ⁵	Ratio: 2.91 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(9FAEF6)	Ratio: 2.77 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(BBC9FF)	Ratio: 3.63 AA 18pt ²	Ratio: 1.63 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(D8E5FF)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(F5FFFF)	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.24 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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