

Converting Colors - WCAG Matrix

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

	Hex(005890)	Hex(FFFFFF)	Hex(5189C6)	Hex(6EA4E2)	Hex(8BBFFF)	Hex(A8DAFF)	Hex(C5F7FF)	Hex(E2FFFF)
Hex(005890)		Ratio: 7.50 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶
Hex(FFFFFF)	Ratio: 7.50 Passed ⁶		Ratio: 3.66 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(5189C6)	Ratio: 2.05 Failed ⁵	Ratio: 3.66 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.48 AA 18pt ²
Hex(6EA4E2)	Ratio: 2.88 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(8BBFFF)	Ratio: 3.93 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(A8DAFF)	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 1.49 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(C5F7FF)	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(E2FFFF)	Ratio: 7.14 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.10 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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