

Converting Colors - WCAG Matrix

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

	Hex(006E8F)	Hex(3387A9)	Hex(52A2C5)	Hex(70BDE1)	Hex(8CD8FD)	Hex(A9F5FF)	Hex(C6FFFF)	Hex(E4FFFF)	Hex(FFFFFF)
Hex(006E8F)		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 5.79 AA ¹ AAA 18pt ⁴
Hex(3387A9)	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 3.87 AA 18pt ²	Ratio: 4.05 AA 18pt ²
Hex(52A2C5)	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(70BDE1)	Ratio: 2.77 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(8CD8FD)	Ratio: 3.68 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(A9F5FF)	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(C6FFFF)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(E4FFFF)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FFFFFF)	Ratio: 5.79 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 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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