

Converting Colors - WCAG Matrix

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

	Hex(459CAC)	Hex(FFFFFF)	Hex(7FD3E3)	Hex(9BEFFF)	Hex(B8FFFF)	Hex(D5FFFF)	Hex(F3FFFF)
Hex(459CAC)		Ratio: 3.18 AA 18pt ²	Ratio: 1.87 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(FFFFFF)	Ratio: 3.18 AA 18pt ²		Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(7FD3E3)	Ratio: 1.87 Failed ⁵	Ratio: 1.70 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(9BEFFF)	Ratio: 2.45 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(B8FFFF)	Ratio: 2.84 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(D5FFFF)	Ratio: 2.96 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F3FFFF)	Ratio: 3.11 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.09 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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