

Converting Colors - WCAG Matrix

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

	Hex(49969C)	Hex(FFFFFF)	Hex(80CED2)	Hex(9CE9EF)	Hex(B9FFFF)	Hex(D6FFFD)	Hex(F3FFFF)
Hex(49969C)		Ratio: 3.43 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 3.36 AA 18pt ²
Hex(FFFFFF)	Ratio: 3.43 AA 18pt ²		Ratio: 1.80 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(80CED2)	Ratio: 1.91 Failed ⁵	Ratio: 1.80 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(9CE9EF)	Ratio: 2.50 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(B9FFFF)	Ratio: 3.07 AA 18pt ²	Ratio: 1.12 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(D6FFFD)	Ratio: 3.20 AA 18pt ²	Ratio: 1.07 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F3FFFF)	Ratio: 3.36 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.34 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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