

Converting Colors - WCAG Matrix

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

	Hex(45B5C1)	Hex(FFFFFF)	Hex(83EDF9)	Hex(A1FFFF)	Hex(BEFFFF)	Hex(DCFFFF)	Hex(FAFFFF)
Hex(45B5C1)		Ratio: 2.43 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(FFFFFF)	Ratio: 2.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(83EDF9)	Ratio: 1.79 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(A1FFFF)	Ratio: 2.12 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(BEFFFF)	Ratio: 2.19 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(DCFFFF)	Ratio: 2.29 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FAFFFF)	Ratio: 2.41 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 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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