

Converting Colors - WCAG Matrix

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

	Hex(287160)	Hex(FFFFFF)	Hex(5EA693)	Hex(79C1AD)	Hex(94DDC9)	Hex(B0FAE5)	Hex(CCFFFF)	Hex(E9FFFF)
Hex(287160)		Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 5.58 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.80 AA ¹ AAA 18pt ⁴		Ratio: 2.86 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(5EA693)	Ratio: 2.03 Failed ⁵	Ratio: 2.86 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(79C1AD)	Ratio: 2.77 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(94DDC9)	Ratio: 3.71 AA 18pt ²	Ratio: 1.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(B0FAE5)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(CCFFFF)	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(E9FFFF)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.15 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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