

Converting Colors - WCAG Matrix

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

	Hex(00513A)	Hex(FFFFFF)	Hex(3F8369)	Hex(599E83)	Hex(74B99D)	Hex(8ED5B7)	Hex(AAF1D3)	Hex(C6FFEF)	Hex(E3FFFF)
Hex(00513A)		Ratio: 9.38 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 8.47 Passed ⁶	Ratio: 8.94 Passed ⁶
Hex(FFFFFF)	Ratio: 9.38 Passed ⁶		Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(3F8369)	Ratio: 2.08 Failed ⁵	Ratio: 4.50 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 4.29 AA 18pt ²
Hex(599E83)	Ratio: 2.97 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(74B99D)	Ratio: 4.10 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(8ED5B7)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 1.70 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(AAF1D3)	Ratio: 7.25 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(C6FFEF)	Ratio: 8.47 Passed ⁶	Ratio: 1.11 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(E3FFFF)	Ratio: 8.94 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 4.29 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 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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