

Converting Colors - WCAG Matrix

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

	Hex(005947)	Hex(26735E)	Hex(428C78)	Hex(5CA691)	Hex(78C2AB)	Hex(94DEC7)	Hex(B0FAE3)	Hex(CCFEFF)	Hex(E8FFFF)	Hex(FFFFFF)
Hex(005947)		Ratio: 1.47 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 8.01 Passed ⁶	Ratio: 8.33 Passed ⁶
Hex(26735E)	Ratio: 1.47 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴
Hex(428C78)	Ratio: 2.08 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 3.84 AA 18pt ²	Ratio: 4.00 AA 18pt ²
Hex(5CA691)	Ratio: 2.90 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(78C2AB)	Ratio: 4.01 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(94DEC7)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(B0FAE3)	Ratio: 7.00 Passed ⁶	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(CCFEFF)	Ratio: 7.66 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(E8FFFF)	Ratio: 8.01 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(FFFFFF)	Ratio: 8.33 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 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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