

Converting Colors - WCAG Matrix

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

	Hex(004C43)	Hex(FFFFFF)	Hex(3E7D73)	Hex(58988C)	Hex(73B2A7)	Hex(8DCEC2)	Hex(A9EADE)	Hex(C5FFFA)	Hex(E1FFFF)
Hex(004C43)		Ratio: 9.93 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 9.01 Passed ⁶	Ratio: 9.43 Passed ⁶
Hex(FFFFFF)	Ratio: 9.93 Passed ⁶		Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(3E7D73)	Ratio: 2.07 Failed ⁵	Ratio: 4.79 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴
Hex(58988C)	Ratio: 2.97 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.17 AA 18pt ²
Hex(73B2A7)	Ratio: 4.09 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(8DCEC2)	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 1.79 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(A9EADE)	Ratio: 7.33 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(C5FFFA)	Ratio: 9.01 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 4.35 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(E1FFFF)	Ratio: 9.43 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 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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