

Converting Colors - WCAG Matrix

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

	Hex(006063)	Hex(FFFFFF)	Hex(489396)	Hex(63AE80)	Hex(7EC9CC)	Hex(9AE5E8)	Hex(B6FFFF)	Hex(D3FFFF)	Hex(F0FFFF)
Hex(006063)		Ratio: 7.36 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶
Hex(FFFFFF)	Ratio: 7.36 Passed ⁶		Ratio: 3.57 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(489396)	Ratio: 2.06 Failed ⁵	Ratio: 3.57 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.31 AA 18pt ²	Ratio: 3.47 AA 18pt ²
Hex(63AE80)	Ratio: 2.88 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(7EC9CC)	Ratio: 3.89 AA 18pt ²	Ratio: 1.89 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(9AE5E8)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 1.42 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(B6FFFF)	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(D3FFFF)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F0FFFF)	Ratio: 7.17 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.09 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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