

Converting Colors - WCAG Matrix

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

	Hex(003E66)	Hex(FFFFFF)	Hex(446D99)	Hex(5F86B4)	Hex(7AA0D0)	Hex(95BBEC)	Hex(B1D7FF)	Hex(CEF3FF)	Hex(EBFFFF)
Hex(003E66)		Ratio: 11.16 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 10.78 Passed ⁶
Hex(FFFFFF)	Ratio: 11.16 Passed ⁶		Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(446D99)	Ratio: 2.07 Failed ⁵	Ratio: 5.39 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(5F86B4)	Ratio: 2.95 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.65 AA 18pt ²
Hex(7AA0D0)	Ratio: 4.13 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(95BBEC)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 1.98 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(B1D7FF)	Ratio: 7.46 Passed ⁶	Ratio: 1.50 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(CEF3FF)	Ratio: 9.51 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(EBFFFF)	Ratio: 10.78 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.13 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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