

Converting Colors - WCAG Matrix

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

	Hex(18404B)	Hex(FFFFFF)	Hex(4A707B)	Hex(638A95)	Hex(7DA4B0)	Hex(97BFCB)	Hex(B3DBE7)	Hex(CEF8FF)	Hex(EBFFFF)
Hex(18404B)		Ratio: 11.21 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 9.87 Passed ⁶	Ratio: 10.82 Passed ⁶
Hex(FFFFFF)	Ratio: 11.21 Passed ⁶		Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(4A707B)	Ratio: 2.08 Failed ⁵	Ratio: 5.39 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(638A95)	Ratio: 2.99 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(7DA4B0)	Ratio: 4.17 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(97BFCB)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 1.98 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(B3DBE7)	Ratio: 7.58 Passed ⁶	Ratio: 1.48 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(CEF8FF)	Ratio: 9.87 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(EBFFFF)	Ratio: 10.82 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.10 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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