

Converting Colors - WCAG Matrix

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

	Hex(2E4D70)	Hex(FFFFFF)	Hex(617EA4)	Hex(7B97BF)	Hex(96B2DB)	Hex(B2CDF8)	Hex(CEE AFF)	Hex(EBFFFF)
Hex(2E4D70)		Ratio: 8.71 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 8.41 Passed ⁶
Hex(FFFFFF)	Ratio: 8.71 Passed ⁶		Ratio: 4.18 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(617EA4)	Ratio: 2.09 Failed ⁵	Ratio: 4.18 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(7B97BF)	Ratio: 2.91 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(96B2DB)	Ratio: 4.02 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(B2CDF8)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 1.62 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(CEE AFF)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 1.25 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(EBFFFF)	Ratio: 8.41 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.20 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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