

Converting Colors - WCAG Matrix

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

Hex(344773) Hex(FFFFFF) Hex(6777A7) Hex(8191C3) Hex(9CABDF) Hex(B8C6FC) Hex(D4E2FF) Hex(F0FFFF)

	Hex(344773)	Hex(FFFFFF)	Hex(6777A7)	Hex(8191C3)	Hex(9CABDF)	Hex(B8C6FC)	Hex(D4E2FF)	Hex(F0FFFF)
Hex(344773)		Ratio: 9.15 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 8.91 Passed ⁶
Hex(FFFFFF)	Ratio: 9.15 Passed ⁶		Ratio: 4.40 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(6777A7)	Ratio: 2.08 Failed ⁵	Ratio: 4.40 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(8191C3)	Ratio: 2.95 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(9CABDF)	Ratio: 4.05 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(B8C6FC)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 1.68 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(D4E2FF)	Ratio: 7.03 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(F0FFFF)	Ratio: 8.91 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 4.28 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 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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