

Converting Colors - WCAG Matrix

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

	Hex(00316E)	Hex(FFFFFF)	Hex(475EA2)	Hex(6277BE)	Hex(7E91DA)	Hex(9AABF6)	Hex(B6C6FF)	Hex(D2E2FF)	Hex(F0FFFF)
Hex(00316E)		Ratio: 12.62 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.65 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(FFFFFF)	Ratio: 12.62 Passed ⁶		Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(475EA2)	Ratio: 2.04 Failed ⁵	Ratio: 6.19 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 6.03 AA ¹ AAA 18pt ⁴
Hex(6277BE)	Ratio: 2.94 Failed ⁵	Ratio: 4.28 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.17 AA 18pt ²
Hex(7E91DA)	Ratio: 4.18 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(9AABF6)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 2.20 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(B6C6FF)	Ratio: 7.52 Passed ⁶	Ratio: 1.68 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(D2E2FF)	Ratio: 9.65 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(F0FFFF)	Ratio: 12.29 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.15 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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