

Converting Colors - WCAG Matrix

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

	Hex(9093AF)	Hex(7F83AF)	Hex(6D73AF)	Hex(5C64AF)	Hex(4A54AF)	Hex(3844AF)	Hex(2734AF)	Hex(1524AF)	Hex(0415AF)	Hex(0011AF)
Hex(9093AF)		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.67 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.11 AA 18pt ²
Hex(7F83AF)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(6D73AF)	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(5C64AF)	Ratio: 1.79 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(4A54AF)	Ratio: 2.20 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(3844AF)	Ratio: 2.67 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(2734AF)	Ratio: 3.18 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(1524AF)	Ratio: 3.67 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(0415AF)	Ratio: 4.03 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(0011AF)	Ratio: 4.11 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.02 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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