

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(A8AABD)	Hex(9599BD)	Hex(8288BD)	Hex(6F76BD)	Hex(5C65BD)	Hex(4A54BD)	Hex(3743BD)	Hex(2432BD)	Hex(1121BD)	Hex(0011BD)
Hex(A8AABD)		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 5.04 AA ¹ AAA 18pt ⁴
Hex(9599BD)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.83 AA 18pt ²	Ratio: 4.17 AA 18pt ²
Hex(8288BD)	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.42 AA 18pt ²
Hex(6F76BD)	Ratio: 1.83 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(5C65BD)	Ratio: 2.26 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(4A54BD)	Ratio: 2.78 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(3743BD)	Ratio: 3.39 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(2432BD)	Ratio: 4.04 AA 18pt ²	Ratio: 3.34 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(1121BD)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(0011BD)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.42 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.09 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.