

Converting Colors - WCAG Matrix

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

	Hex(A7AABE)	Hex(9499BE)	Hex(8189BE)	Hex(6E78BE)	Hex(5B68BE)	Hex(4857BE)	Hex(3547BE)	Hex(2236BE)	Hex(0F26BE)	Hex(0019BE)
Hex(A7AABE)		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 4.48 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(9499BE)	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 4.02 AA 18pt ²
Hex(8189BE)	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.32 AA 18pt ²
Hex(6E78BE)	Ratio: 1.79 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(5B68BE)	Ratio: 2.19 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(4857BE)	Ratio: 2.70 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(3547BE)	Ratio: 3.27 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(2236BE)	Ratio: 3.91 AA 18pt ²	Ratio: 3.23 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(0F26BE)	Ratio: 4.48 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(0019BE)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.08 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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