

Converting Colors - WCAG Matrix

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

	Hex(404399)	Hex(4F5299)	Hex(5F6199)	Hex(6E6F99)	Hex(7D7E99)	Hex(8C8D99)	Hex(9C9C99)	Hex(ABAA99)	Hex(BAB999)	Hex(CAC899)
Hex(404399)		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴
Hex(4F5299)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(5F6199)	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(6E6F99)	Ratio: 1.77 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(7D7E99)	Ratio: 2.14 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(8C8D99)	Ratio: 2.57 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(9C9C99)	Ratio: 3.08 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(ABAA99)	Ratio: 3.60 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(BAB999)	Ratio: 4.23 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(CAC899)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 3.35 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 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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