

Converting Colors - WCAG Matrix

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

	Hex(B7ADCA)	Hex(AA99CA)	Hex(9D85CA)	Hex(8F70CA)	Hex(825CCA)	Hex(7548CA)	Hex(6834CA)	Hex(5A20CA)	Hex(4D0BCA)	Hex(4600CA)
Hex(B7ADCA)		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.44 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴
Hex(AA99CA)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 3.84 AA 18pt ²
Hex(9D85CA)	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.14 AA 18pt ²
Hex(8F70CA)	Ratio: 1.84 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(825CCA)	Ratio: 2.27 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(7548CA)	Ratio: 2.78 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(6834CA)	Ratio: 3.36 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(5A20CA)	Ratio: 3.95 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(4D0BCA)	Ratio: 4.44 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(4600CA)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.84 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: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.05 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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