

Converting Colors - WCAG Matrix

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

	Hex(BDBFCA)	Hex(A9AECA)	Hex(959DCA)	Hex(808CCA)	Hex(6C7BCA)	Hex(586ACA)	Hex(4458CA)	Hex(3047CA)	Hex(1B36CA)	Hex(0725CA)
Hex(BDBFCA)		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.39 AA ¹ AAA 18pt ⁴
Hex(A9AECA)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(959DCA)	Ratio: 1.44 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.74 AA 18pt ²
Hex(808CCA)	Ratio: 1.76 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(6C7BCA)	Ratio: 2.15 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(586ACA)	Ratio: 2.65 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(4458CA)	Ratio: 3.28 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(3047CA)	Ratio: 3.98 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(1B36CA)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(0725CA)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 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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