

Converting Colors - WCAG Matrix

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

	Hex(C0BCCB)	Hex(B1A8CB)	Hex(A293CB)	Hex(937FCB)	Hex(856BCB)	Hex(7657CB)	Hex(6742CB)	Hex(582ECB)	Hex(491ACB)	Hex(3A05CB)
Hex(C0BCCB)		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 5.47 AA ¹ AAA 18pt ⁴
Hex(B1A8CB)	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴
Hex(A293CB)	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.67 AA 18pt ²
Hex(937FCB)	Ratio: 1.84 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(856BCB)	Ratio: 2.28 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(7657CB)	Ratio: 2.83 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(6742CB)	Ratio: 3.51 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(582ECB)	Ratio: 4.23 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(491ACB)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(3A05CB)	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.11 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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