

Converting Colors - WCAG Matrix

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

	Hex(C9C7D1)	Hex(B8B2D1)	Hex(A89DD1)	Hex(9788D1)	Hex(8673D1)	Hex(755FD1)	Hex(654AD1)	Hex(5435D1)	Hex(4320D1)	Hex(330BD1)
Hex(C9C7D1)		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.48 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 5.96 AA ¹ AAA 18pt ⁴
Hex(B8B2D1)	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴
Hex(A89DD1)	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 3.99 AA 18pt ²
Hex(9788D1)	Ratio: 1.86 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(8673D1)	Ratio: 2.33 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(755FD1)	Ratio: 2.91 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(654AD1)	Ratio: 3.64 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(5435D1)	Ratio: 4.48 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(4320D1)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(330BD1)	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.12 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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