

Converting Colors - WCAG Matrix

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

	Hex(CCC8D0)	Hex(C2B3D0)	Hex(B79ED0)	Hex(AD89D0)	Hex(A375D0)	Hex(9960D0)	Hex(8E4BD0)	Hex(8436D0)	Hex(7A21D0)	Hex(6F0DD0)
Hex(CCC8D0)		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 4.31 AA 18pt ²	Ratio: 4.82 AA AAA 18pt ⁴
Hex(C2B3D0)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(B79ED0)	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(AD89D0)	Ratio: 1.75 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(A375D0)	Ratio: 2.12 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(9960D0)	Ratio: 2.58 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(8E4BD0)	Ratio: 3.13 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(8436D0)	Ratio: 3.73 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(7A21D0)	Ratio: 4.31 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(6F0DD0)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.29 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

Failed 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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