

Converting Colors - WCAG Matrix

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

	Hex(CBD0ED)	Hex(B3BBED)	Hex(9CA6ED)	Hex(8492ED)	Hex(6C7DED)	Hex(5468ED)	Hex(3D54ED)	Hex(2540ED)	Hex(0D2AED)	Hex(0020ED)
Hex(CBD0ED)		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴
Hex(B3BBED)	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(9CA6ED)	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.54 AA 18pt ²	Ratio: 3.74 AA 18pt ²
Hex(8492ED)	Ratio: 1.88 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(6C7DED)	Ratio: 2.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(5468ED)	Ratio: 3.01 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(3D54ED)	Ratio: 3.74 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(2540ED)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(0D2AED)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.54 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(0020ED)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.06 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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