

Converting Colors - WCAG Matrix

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

	Hex(A1B5CD)	Hex(8CAACD)	Hex(789FCD)	Hex(6493CD)	Hex(4F88CD)	Hex(3A7DCD)	Hex(2672CD)	Hex(1167CD)	Hex(005DCD)
Hex(A1B5CD)		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(8CAACD)	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(789FCD)	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(6493CD)	Ratio: 1.52 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(4F88CD)	Ratio: 1.74 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(3A7DCD)	Ratio: 2.00 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(2672CD)	Ratio: 2.29 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(1167CD)	Ratio: 2.60 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(005DCD)	Ratio: 2.90 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.27 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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