

Converting Colors - WCAG Matrix

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

	Hex(9999CC)	Hex(8585CC)	Hex(7070CC)	Hex(5C5CCC)	Hex(4747CC)	Hex(3333CC)	Hex(1F1FCC)	Hex(0A0ACC)	Hex(0000CC)
Hex(9999CC)		Ratio: 1.25 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 4.16 AA 18pt ²
Hex(8585CC)	Ratio: 1.25 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.32 AA 18pt ²
Hex(7070CC)	Ratio: 1.60 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(5C5CCC)	Ratio: 2.02 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(4747CC)	Ratio: 2.56 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(3333CC)	Ratio: 3.13 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(1F1FCC)	Ratio: 3.66 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(0A0ACC)	Ratio: 4.04 AA 18pt ²	Ratio: 3.23 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(0000CC)	Ratio: 4.16 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.03 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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