

Converting Colors - WCAG Matrix

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

	Hex(968CE8)	Hex(7A72CC)	Hex(5F5AB0)	Hex(444295)	Hex(272C7B)	Hex(001861)	Hex(000049)	Hex(000431)	Hex(00011C)	Hex(000000)
Hex(968CE8)		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 7.21 Passed ⁶
Hex(7A72CC)	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(5F5AB0)	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.37 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(444295)	Ratio: 2.93 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(272C7B)	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(001861)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(000049)	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(000431)	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00011C)	Ratio: 7.06 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 7.21 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.02 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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