

Converting Colors - WCAG Matrix

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

	Hex(A580FF)	Hex(8366FF)	Hex(5E4CFF)	Hex(2F32FE)	Hex(0018E1)	Hex(0000C4)	Hex(0000A8)	Hex(000092)
Hex(A580FF)		Ratio: 1.34 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 5.04 AA ¹ AAA 18pt ⁴
Hex(8366FF)	Ratio: 1.34 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.75 AA 18pt ²
Hex(5E4CFF)	Ratio: 1.80 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(2F32FE)	Ratio: 2.37 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(0018E1)	Ratio: 3.22 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(0000C4)	Ratio: 3.97 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(0000A8)	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000092)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 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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