

Converting Colors - WCAG Matrix

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

	Hex(E0C8FF)	Hex(C2ADFF)	Hex(A492FF)	Hex(8678FF)	Hex(685FE9)	Hex(4747CC)	Hex(1F30B0)	Hex(001A95)	Hex(00077A)	Hex(000000)
Hex(E0C8FF)		Ratio: 1.29 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 8.77 Passed ⁶	Ratio: 10.58 Passed ⁶	Ratio: 13.88 Passed ⁶
Hex(C2ADFF)	Ratio: 1.29 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 8.17 Passed ⁶	Ratio: 10.72 Passed ⁶
Hex(A492FF)	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 8.13 Passed ⁶
Hex(8678FF)	Ratio: 2.26 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 6.14 AA ¹ AAA 18pt ⁴
Hex(685FE9)	Ratio: 3.15 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 4.40 AA 18pt ²
Hex(4747CC)	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.04 AA 18pt ²
Hex(1F30B0)	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(001A95)	Ratio: 8.77 Passed ⁶	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(00077A)	Ratio: 10.58 Passed ⁶	Ratio: 8.17 Passed ⁶	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(000000)	Ratio: 13.88 Passed ⁶	Ratio: 10.72 Passed ⁶	Ratio: 8.13 Passed ⁶	Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 4.40 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.31 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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