

Converting Colors - WCAG Matrix

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

Hex(A600FF) Hex(E3B3FF) Hex(0059FF) Hex(705280) Hex(000000) Hex(808080)

	Hex(A600FF)	Hex(E3B3FF)	Hex(0059FF)	Hex(705280)	Hex(000000)	Hex(808080)
Hex(A600FF)		Ratio: 2.99 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 1.31 Failed ⁵
Hex(E3B3FF)	Ratio: 2.99 Failed ⁵		Ratio: 3.14 AA 18pt ²	Ratio: 3.79 AA 18pt ²	Ratio: 12.16 Passed ⁶	Ratio: 2.29 Failed ⁵
Hex(0059FF)	Ratio: 1.05 Failed ⁵	Ratio: 3.14 AA 18pt ²		Ratio: 1.21 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.37 Failed ⁵
Hex(705280)	Ratio: 1.27 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 1.21 Failed ⁵		Ratio: 3.21 AA 18pt ²	Ratio: 1.66 Failed ⁵
Hex(000000)	Ratio: 4.07 AA 18pt ²	Ratio: 12.16 Passed ⁶	Ratio: 3.87 AA 18pt ²	Ratio: 3.21 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.31 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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