

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(00AFF5) Hex(A3E5FF) Hex(00F545) Hex(497080) Hex(000000) Hex(808080)

Hex(00AFF5)		Ratio: 1.80 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 8.45 Passed ⁶	Ratio: 1.59 Failed ⁵
Hex(A3E5FF)	Ratio: 1.80 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 15.21 Passed ⁶	Ratio: 2.86 Failed ⁵
Hex(00F545)	Ratio: 1.67 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 3.62 AA 18pt ²	Ratio: 14.15 Passed ⁶	Ratio: 2.66 Failed ⁵
Hex(497080)	Ratio: 2.16 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 3.62 AA 18pt ²		Ratio: 3.91 AA 18pt ²	Ratio: 1.36 Failed ⁵
Hex(000000)	Ratio: 8.45 Passed ⁶	Ratio: 15.21 Passed ⁶	Ratio: 14.15 Passed ⁶	Ratio: 3.91 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.59 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 1.36 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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