

Converting Colors - WCAG Matrix

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

Hex(66A3FF) Hex(D1E3FF) Hex(66FFC2) Hex(637080) Hex(000000) Hex(808080)

	Hex(66A3FF)	Hex(D1E3FF)	Hex(66FFC2)	Hex(637080)	Hex(000000)	Hex(808080)
Hex(66A3FF)		Ratio: 1.96 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 8.25 Passed ⁶	Ratio: 1.55 Failed ⁵
Hex(D1E3FF)	Ratio: 1.96 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 16.14 Passed ⁶	Ratio: 3.04 AA 18pt ²
Hex(66FFC2)	Ratio: 2.02 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 4.00 AA 18pt ²	Ratio: 16.65 Passed ⁶	Ratio: 3.13 AA 18pt ²
Hex(637080)	Ratio: 1.98 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.00 AA 18pt ²		Ratio: 4.16 AA 18pt ²	Ratio: 1.28 Failed ⁵
Hex(000000)	Ratio: 8.25 Passed ⁶	Ratio: 16.14 Passed ⁶	Ratio: 16.65 Passed ⁶	Ratio: 4.16 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.55 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 1.28 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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