

Converting Colors - WCAG Matrix

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

Hex(00D9FF) Hex(B3F4FF) Hex(00FF22) Hex(527980) Hex(FFFFFF) Hex(808080)

	Hex(00D9FF)	Hex(B3F4FF)	Hex(00FF22)	Hex(527980)	Hex(FFFFFF)	Hex(808080)
Hex(00D9FF)		Ratio: 1.40 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(B3F4FF)	Ratio: 1.40 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 1.21 Failed ⁵	Ratio: 3.25 AA 18pt ²
Hex(00FF22)	Ratio: 1.24 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 3.48 AA 18pt ²	Ratio: 1.37 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(527980)	Ratio: 2.81 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 3.48 AA 18pt ²		Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 1.21 Failed ⁵
Hex(FFFFFF)	Ratio: 1.70 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 4.77 AA ¹ AAA 18pt ⁴		Ratio: 3.95 AA 18pt ²
Hex(808080)	Ratio: 2.33 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 3.95 AA 18pt ²	

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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