

Converting Colors - WCAG Matrix

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

Hex(00D8FF) Hex(B3F4FF) Hex(00FF26) Hex(527980) Hex(000000) Hex(808080)

	Hex(00D8FF)	Hex(B3F4FF)	Hex(00FF26)	Hex(527980)	Hex(000000)	Hex(808080)
Hex(00D8FF)		Ratio: 1.41 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 12.27 Passed ⁶	Ratio: 2.31 Failed ⁵
Hex(B3F4FF)	Ratio: 1.41 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 17.30 Passed ⁶	Ratio: 3.25 AA 18pt ²
Hex(00FF26)	Ratio: 1.25 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 3.48 AA 18pt ²	Ratio: 15.33 Passed ⁶	Ratio: 2.88 Failed ⁵
Hex(527980)	Ratio: 2.78 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 3.48 AA 18pt ²		Ratio: 4.41 AA 18pt ²	Ratio: 1.21 Failed ⁵
Hex(000000)	Ratio: 12.27 Passed ⁶	Ratio: 17.30 Passed ⁶	Ratio: 15.33 Passed ⁶	Ratio: 4.41 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.31 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.21 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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