

Converting Colors - WCAG Matrix

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

Hex(2B7FFE) Hex(0066FF) Hex(402BFE) Hex(737880) Hex(004CBF) Hex(001940)

	Hex(2B7FFE)	Hex(0066FF)	Hex(402BFE)	Hex(737880)	Hex(004CBF)	Hex(001940)
Hex(2B7FFE)		Ratio: 1.28 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(0066FF)	Ratio: 1.28 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 3.58 AA 18pt ²
Hex(402BFE)	Ratio: 1.86 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(737880)	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.58 Failed ⁵		Ratio: 1.70 Failed ⁵	Ratio: 3.90 AA 18pt ²
Hex(004CBF)	Ratio: 2.00 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.70 Failed ⁵		Ratio: 2.30 Failed ⁵
Hex(001940)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 2.30 Failed ⁵	

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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