

Converting Colors - WCAG Matrix

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

Hex(3DAAFF) Hex(1799FF) Hex(3D4AFF) Hex(737A80) Hex(006BBF) Hex(002440)

	Hex(3DAAFF)	Hex(1799FF)	Hex(3D4AFF)	Hex(737A80)	Hex(006BBF)	Hex(002440)
Hex(3DAAFF)		Ratio: 1.19 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 6.33 AA ¹ AAA 18pt ⁴
Hex(1799FF)	Ratio: 1.19 Failed ⁵		Ratio: 1.94 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 5.31 AA ¹ AAA 18pt ⁴
Hex(3D4AFF)	Ratio: 2.32 Failed ⁵	Ratio: 1.94 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(737A80)	Ratio: 1.74 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 3.64 AA 18pt ²
Hex(006BBF)	Ratio: 2.18 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 2.91 Failed ⁵
Hex(002440)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 2.73 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 2.91 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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