

Converting Colors - WCAG Matrix

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

Hex(D9E7FF) Hex(D1E2FF) Hex(DED9FF) Hex(737780) Hex(0047BF) Hex(001840)

	Hex(D9E7FF)	Hex(D1E2FF)	Hex(DED9FF)	Hex(737780)	Hex(0047BF)	Hex(001840)
Hex(D9E7FF)		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 13.97 Passed ⁶
Hex(D1E2FF)	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 13.31 Passed ⁶
Hex(DED9FF)	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 3.31 AA 18pt ²	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 12.85 Passed ⁶
Hex(737780)	Ratio: 3.60 AA 18pt ²	Ratio: 3.43 AA 18pt ²	Ratio: 3.31 AA 18pt ²		Ratio: 1.76 Failed ⁵	Ratio: 3.88 AA 18pt ²
Hex(0047BF)	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 1.76 Failed ⁵		Ratio: 2.20 Failed ⁵
Hex(001840)	Ratio: 13.97 Passed ⁶	Ratio: 13.31 Passed ⁶	Ratio: 12.85 Passed ⁶	Ratio: 3.88 AA 18pt ²	Ratio: 2.20 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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