

Converting Colors - WCAG Matrix

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

Hex(003445) Hex(BFFFFFF) Hex(006375) Hex(287C8F) Hex(4796AA) Hex(64B0C5) Hex(80CCE1) Hex(9CE8FE) Hex(B9FFFF)

	Hex(003445)	Hex(BFFFFFF)	Hex(006375)	Hex(287C8F)	Hex(4796AA)	Hex(64B0C5)	Hex(80CCE1)	Hex(9CE8FE)	Hex(B9FFFF)
Hex(003445)		Ratio: 12.02 Passed ⁶	Ratio: 1.93 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 9.76 Passed ⁶	Ratio: 11.93 Passed ⁶
Hex(BFFFFFF)	Ratio: 12.02 Passed ⁶		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 4.34 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(006375)	Ratio: 1.93 Failed ⁵	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 6.18 AA ¹ AAA 18pt ⁴
Hex(287C8F)	Ratio: 2.77 Failed ⁵	Ratio: 4.34 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.30 AA 18pt ²
Hex(4796AA)	Ratio: 3.94 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(64B0C5)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 2.22 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(80CCE1)	Ratio: 7.38 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(9CE8FE)	Ratio: 9.76 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(B9FFFF)	Ratio: 11.93 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 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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