

Converting Colors - WCAG Matrix

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

	Hex(003547)	Hex(204C5F)	Hex(3A6477)	Hex(547C91)	Hex(6E96AC)	Hex(88B1C7)	Hex(A3CDE3)	Hex(BFE9FF)	Hex(DBFFFF)	Hex(F8FFFF)
Hex(003547)		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 12.96 Passed ⁶
Hex(204C5F)	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 9.18 Passed ⁶
Hex(3A6477)	Ratio: 2.04 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴
Hex(547C91)	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.44 AA 18pt ²
Hex(6E96AC)	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(88B1C7)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(A3CDE3)	Ratio: 7.75 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(BFE9FF)	Ratio: 10.20 Passed ⁶	Ratio: 7.22 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(DBFFFF)	Ratio: 12.35 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F8FFFF)	Ratio: 12.96 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.05 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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