

Converting Colors - WCAG Matrix

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

	Hex(004B76)	Hex(FFFFFF)	Hex(497BAA)	Hex(6597C6)	Hex(81B1E2)	Hex(9DCDFF)	Hex(B9E8FF)	Hex(D6FFFD)	Hex(F3FFFF)
Hex(004B76)		Ratio: 9.26 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 8.63 Passed ⁶	Ratio: 9.06 Passed ⁶
Hex(FFFFFF)	Ratio: 9.26 Passed ⁶		Ratio: 4.47 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(497BAA)	Ratio: 2.07 Failed ⁵	Ratio: 4.47 AA 18pt ²		Ratio: 1.45 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.38 AA 18pt ²
Hex(6597C6)	Ratio: 3.00 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(81B1E2)	Ratio: 4.11 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(9DCDFF)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 1.67 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(B9E8FF)	Ratio: 7.08 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(D6FFFD)	Ratio: 8.63 Passed ⁶	Ratio: 1.07 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F3FFFF)	Ratio: 9.06 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 4.38 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.28 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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