

Converting Colors - WCAG Matrix

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

	Hex(B3E7FF)	Hex(95CBFF)	Hex(78B0FF)	Hex(5995E2)	Hex(387CC6)	Hex(0263AA)	Hex(004C8F)	Hex(003575)	Hex(00215C)	Hex(000844)
Hex(B3E7FF)		Ratio: 1.29 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 8.94 Passed ⁶	Ratio: 11.51 Passed ⁶	Ratio: 14.12 Passed ⁶
Hex(95CBFF)	Ratio: 1.29 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 8.94 Passed ⁶	Ratio: 10.97 Passed ⁶
Hex(78B0FF)	Ratio: 1.67 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 8.45 Passed ⁶
Hex(5995E2)	Ratio: 2.31 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(387CC6)	Ratio: 3.24 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.35 AA 18pt ²
Hex(0263AA)	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(004C8F)	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(003575)	Ratio: 8.94 Passed ⁶	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(00215C)	Ratio: 11.51 Passed ⁶	Ratio: 8.94 Passed ⁶	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(000844)	Ratio: 14.12 Passed ⁶	Ratio: 10.97 Passed ⁶	Ratio: 8.45 Passed ⁶	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 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

Failed 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.