

Converting Colors - WCAG Matrix

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

	Hex(36B0FB)	Hex(0095DE)	Hex(007BC2)	Hex(0063A7)	Hex(004B8C)	Hex(003572)	Hex(002059)	Hex(000741)	Hex(00032A)	Hex(000114)
Hex(36B0FB)		Ratio: 1.38 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 7.91 Passed ⁶	Ratio: 8.37 Passed ⁶	Ratio: 8.64 Passed ⁶
Hex(0095DE)	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴
Hex(007BC2)	Ratio: 1.90 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴
Hex(0063A7)	Ratio: 2.62 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 3.30 AA 18pt ²
Hex(004B8C)	Ratio: 3.67 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(003572)	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(002059)	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(000741)	Ratio: 7.91 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032A)	Ratio: 8.37 Passed ⁶	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000114)	Ratio: 8.64 Passed ⁶	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 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.