

Converting Colors - WCAG Matrix

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

	Hex(54B0FF)	Hex(2B94E3)	Hex(007DC7)	Hex(0063AB)	Hex(004D8F)	Hex(003675)	Hex(00215C)	Hex(000845)	Hex(00032E)	Hex(000017)
Hex(54B0FF)		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 8.06 Passed ⁶	Ratio: 8.58 Passed ⁶	Ratio: 8.92 Passed ⁶
Hex(2B94E3)	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 6.37 AA ¹ AAA 18pt ⁴
Hex(007DC7)	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.25 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴
Hex(0063AB)	Ratio: 2.68 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 3.33 AA 18pt ²
Hex(004D8F)	Ratio: 3.67 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(003675)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(00215C)	Ratio: 6.58 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(000845)	Ratio: 8.06 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(00032E)	Ratio: 8.58 Passed ⁶	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000017)	Ratio: 8.92 Passed ⁶	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.04 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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