

Converting Colors - WCAG Matrix

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

	Hex(4483FF)	Hex(006AE2)	Hex(0053C5)	Hex(003DA9)	Hex(00288E)	Hex(001774)	Hex(00085B)	Hex(000742)	Hex(00032B)	Hex(000115)
Hex(4483FF)		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 5.85 AA ¹ AAA 18pt ⁴
Hex(006AE2)	Ratio: 1.43 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.51 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 4.10 AA 18pt ²
Hex(0053C5)	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(003DA9)	Ratio: 2.65 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(00288E)	Ratio: 3.50 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(001774)	Ratio: 4.32 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(00085B)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(000742)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032B)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000115)	Ratio: 5.85 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.17 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.

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