

Converting Colors - WCAG Matrix

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

	Hex(3499FF)	Hex(007FE2)	Hex(0067C6)	Hex(004FAA)	Hex(00398F)	Hex(002575)	Hex(00105B)	Hex(000743)	Hex(00032C)	Hex(000116)
Hex(3499FF)		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶
Hex(007FE2)	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴
Hex(0067C6)	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 3.58 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(004FAA)	Ratio: 2.65 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(00398F)	Ratio: 3.61 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(002575)	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(00105B)	Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(000743)	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032C)	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000116)	Ratio: 7.03 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.21 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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