

Converting Colors - WCAG Matrix

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

	Hex(00FF9D)	Hex(00E282)	Hex(00C569)	Hex(00A850)	Hex(008D37)	Hex(00721F)	Hex(005705)	Hex(003E00)	Hex(002500)	Hex(000000)
Hex(00FF9D)		Ratio: 1.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 9.35 Passed ⁶	Ratio: 12.49 Passed ⁶	Ratio: 15.79 Passed ⁶
Hex(00E282)	Ratio: 1.29 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶	Ratio: 9.65 Passed ⁶	
Hex(00C569)	Ratio: 1.72 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 9.19 Passed ⁶
Hex(00A850)	Ratio: 2.35 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(008D37)	Ratio: 3.25 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(00721F)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(005705)	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(003E00)	Ratio: 9.35 Passed ⁶	Ratio: 7.22 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(002500)	Ratio: 12.49 Passed ⁶	Ratio: 9.65 Passed ⁶	Ratio: 7.27 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(000000)	Ratio: 15.79 Passed ⁶		Ratio: 9.19 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.26 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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