

Converting Colors - WCAG Matrix

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

	Hex(00FF7D)	Hex(00E163)	Hex(00C548)	Hex(00A82E)	Hex(008C0F)	Hex(007100)	Hex(005700)	Hex(003E00)	Hex(002400)	Hex(FFFFFF)
Hex(00FF7D)		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 9.24 Passed ⁶	Ratio: 12.46 Passed ⁶	Ratio: 1.35 Failed ⁵
Hex(00E163)	Ratio: 1.31 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 1.76 Failed ⁵
Hex(00C548)	Ratio: 1.72 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 2.31 Failed ⁵
Hex(00A82E)	Ratio: 2.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²
Hex(008C0F)	Ratio: 3.28 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.41 AA 18pt ²
Hex(007100)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 6.25 AA ¹ AAA 18pt ⁴
Hex(005700)	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 8.89 Passed ⁶
Hex(003E00)	Ratio: 9.24 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 12.43 Passed ⁶
Hex(002400)	Ratio: 12.46 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 7.25 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 16.77 Passed ⁶
Hex(FFFFFF)	Ratio: 1.35 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 8.89 Passed ⁶	Ratio: 12.43 Passed ⁶	Ratio: 16.77 Passed ⁶	

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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