

Converting Colors - WCAG Matrix

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

	Hex(00FF98)	Hex(00E27E)	Hex(00C564)	Hex(00A84B)	Hex(008D32)	Hex(00721A)	Hex(005700)	Hex(003E00)	Hex(002500)	Hex(000000)
Hex(00FF98)		Ratio: 1.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 9.33 Passed ⁶	Ratio: 12.46 Passed ⁶	Ratio: 15.76 Passed ⁶
Hex(00E27E)	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: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 9.63 Passed ⁶	Ratio: 12.18 Passed ⁶
Hex(00C564)	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: 3.88 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 9.17 Passed ⁶
Hex(00A84B)	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: 3.97 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴
Hex(008D32)	Ratio: 3.24 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(00721A)	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: 3.42 AA 18pt ²
Hex(005700)	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(003E00)	Ratio: 9.33 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.97 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: 12.46 Passed ⁶	Ratio: 9.63 Passed ⁶	Ratio: 7.25 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.84 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: 15.76 Passed ⁶	Ratio: 12.18 Passed ⁶	Ratio: 9.17 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.36 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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