

Converting Colors - WCAG Matrix

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

	Hex(00F708)	Hex(00DA00)	Hex(00BD00)	Hex(00A100)	Hex(008500)	Hex(006A00)	Hex(004F00)	Hex(003600)	Hex(001B00)	Hex(000000)
Hex(00F708)		Ratio: 1.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 9.37 Passed ⁶	Ratio: 12.37 Passed ⁶	Ratio: 14.31 Passed ⁶
Hex(00DA00)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶	Ratio: 9.53 Passed ⁶	Ratio: 11.03 Passed ⁶
Hex(00BD00)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶	Ratio: 8.28 Passed ⁶
Hex(00A100)	Ratio: 2.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(008500)	Ratio: 3.29 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.35 AA 18pt ²
Hex(006A00)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(004F00)	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(003600)	Ratio: 9.37 Passed ⁶	Ratio: 7.22 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(001B00)	Ratio: 12.37 Passed ⁶	Ratio: 9.53 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(000000)	Ratio: 14.31 Passed ⁶	Ratio: 11.03 Passed ⁶	Ratio: 8.28 Passed ⁶	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 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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