

Converting Colors - WCAG Matrix

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

	Hex(21D14D)	Hex(00B532)	Hex(009913)	Hex(007E00)	Hex(006300)	Hex(004A00)	Hex(003200)	Hex(001600)	Hex(000000)
Hex(21D14D)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 10.29 Passed ⁶
Hex(00B532)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶
Hex(009913)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴
Hex(007E00)	Ratio: 2.58 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 3.98 AA 18pt ²
Hex(006300)	Ratio: 3.70 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(004A00)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(003200)	Ratio: 7.07 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(001600)	Ratio: 9.23 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 10.29 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.11 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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