

Converting Colors - WCAG Matrix

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

	Hex(BDFF33)	Hex(9FE200)	Hex(81C600)	Hex(64AA00)	Hex(469000)	Hex(247500)	Hex(005C00)	Hex(004400)	Hex(002D00)	Hex(001200)
Hex(BDFF33)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 9.59 Passed ⁶	Ratio: 12.73 Passed ⁶	Ratio: 16.12 Passed ⁶
Hex(9FE200)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 9.71 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(81C600)	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 9.21 Passed ⁶
Hex(64AA00)	Ratio: 2.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴
Hex(469000)	Ratio: 3.34 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(247500)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(005C00)	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(004400)	Ratio: 9.59 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(002D00)	Ratio: 12.73 Passed ⁶	Ratio: 9.71 Passed ⁶	Ratio: 7.28 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(001200)	Ratio: 16.12 Passed ⁶	Ratio: 12.29 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 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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