

Converting Colors - WCAG Matrix

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

	Hex(C1FF33)	Hex(A3E200)	Hex(86C600)	Hex(69AA00)	Hex(4B9000)	Hex(2B7600)	Hex(005C00)	Hex(004400)	Hex(002E00)	Hex(001300)
Hex(C1FF33)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 9.64 Passed ⁶	Ratio: 12.67 Passed ⁶	Ratio: 16.12 Passed ⁶
Hex(A3E200)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 12.29 Passed ⁶
Hex(86C600)	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶	Ratio: 9.23 Passed ⁶
Hex(69AA00)	Ratio: 2.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(4B9000)	Ratio: 3.33 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(2B7600)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(005C00)	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(004400)	Ratio: 9.64 Passed ⁶	Ratio: 7.35 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(002E00)	Ratio: 12.67 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 7.26 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(001300)	Ratio: 16.12 Passed ⁶	Ratio: 12.29 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.67 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

Failed 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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