

Converting Colors - WCAG Matrix

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

	Hex(9AE344)	Hex(7DC725)	Hex(60AB00)	Hex(439000)	Hex(227600)	Hex(005D00)	Hex(004400)	Hex(002E00)	Hex(001200)	Hex(000000)
Hex(9AE344)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 12.37 Passed ⁶	Ratio: 13.45 Passed ⁶
Hex(7DC725)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶	Ratio: 9.27 Passed ⁶	Ratio: 10.07 Passed ⁶
Hex(60AB00)	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶
Hex(439000)	Ratio: 2.57 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.23 AA ¹ AAA 18pt ⁴
Hex(227600)	Ratio: 3.67 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.66 AA 18pt ²
Hex(005D00)	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(004400)	Ratio: 7.36 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(002E00)	Ratio: 9.67 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(001200)	Ratio: 12.37 Passed ⁶	Ratio: 9.27 Passed ⁶	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 13.45 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.09 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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