

Converting Colors - WCAG Matrix

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

	Hex(7EE219)	Hex(5FC600)	Hex(3EAA00)	Hex(118F00)	Hex(007400)	Hex(005B00)	Hex(004200)	Hex(002B00)	Hex(000800)	Hex(000000)
Hex(7EE219)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 9.50 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 12.78 Passed ⁶
Hex(5FC600)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 9.56 Passed ⁶
Hex(3EAA00)	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(118F00)	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(007400)	Ratio: 3.65 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.50 AA 18pt ²
Hex(005B00)	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(004200)	Ratio: 7.18 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(002B00)	Ratio: 9.50 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(000800)	Ratio: 12.35 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 12.78 Passed ⁶	Ratio: 9.56 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.03 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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