

Converting Colors - WCAG Matrix

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

	Hex(33FF39)	Hex(00E10A)	Hex(00C400)	Hex(00A800)	Hex(008C00)	Hex(007100)	Hex(005700)	Hex(003E00)	Hex(002300)	Hex(000000)
Hex(33FF39)		Ratio: 1.32 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 9.18 Passed ⁶	Ratio: 12.50 Passed ⁶	Ratio: 15.50 Passed ⁶
Hex(00E10A)	Ratio: 1.32 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 9.49 Passed ⁶	Ratio: 11.77 Passed ⁶
Hex(00C400)	Ratio: 1.74 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶	Ratio: 8.90 Passed ⁶
Hex(00A800)	Ratio: 2.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.60 AA ¹ AAA 18pt ⁴
Hex(008C00)	Ratio: 3.26 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(007100)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(005700)	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.36 Failed ⁵
Hex(003E00)	Ratio: 9.18 Passed ⁶	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(002300)	Ratio: 12.50 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 7.17 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(000000)	Ratio: 15.50 Passed ⁶	Ratio: 11.77 Passed ⁶	Ratio: 8.90 Passed ⁶	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.24 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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