

Converting Colors - WCAG Matrix

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

	Hex(2AB220)	Hex(009700)	Hex(007C00)	Hex(006200)	Hex(004800)	Hex(003200)	Hex(001500)	Hex(000000)
Hex(2AB220)		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶
Hex(009700)	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.43 AA ¹ AAA 18pt ⁴
Hex(007C00)	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 3.88 AA 18pt ²
Hex(006200)	Ratio: 2.73 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(004800)	Ratio: 3.89 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(003200)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(001500)	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 7.49 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.11 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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