

Converting Colors - WCAG Matrix

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

	Hex(A1C767)	Hex(85AB4E)	Hex(6B9135)	Hex(51771B)	Hex(375E00)	Hex(1F4600)	Hex(002F00)	Hex(001C00)	Hex(000000)
Hex(A1C767)		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.33 Passed ⁶	Ratio: 10.88 Passed ⁶
Hex(85AB4E)	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 7.93 Passed ⁶
Hex(6B9135)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.73 AA ¹ AAA 18pt ⁴
Hex(51771B)	Ratio: 2.72 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.00 AA 18pt ²
Hex(375E00)	Ratio: 3.94 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(1F4600)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(002F00)	Ratio: 7.74 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(001C00)	Ratio: 9.33 Passed ⁶	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 10.88 Passed ⁶	Ratio: 7.93 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.17 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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