

Converting Colors - WCAG Matrix

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

	Hex(00CC75)	Hex(00B05C)	Hex(009443)	Hex(00792B)	Hex(005F13)	Hex(004600)	Hex(002F00)	Hex(001000)	Hex(000000)
Hex(00CC75)		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 9.89 Passed ⁶
Hex(00B05C)	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶
Hex(009443)	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(00792B)	Ratio: 2.62 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 3.77 AA 18pt ²
Hex(005F13)	Ratio: 3.74 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.65 Failed ⁵
Hex(004600)	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(002F00)	Ratio: 7.03 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(001000)	Ratio: 9.21 Passed ⁶	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 9.89 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.07 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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