

Converting Colors - WCAG Matrix

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

	Hex(25D064)	Hex(00B44A)	Hex(009831)	Hex(007D16)	Hex(006300)	Hex(004900)	Hex(003200)	Hex(001600)	Hex(000000)
Hex(25D064)		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 10.28 Passed ⁶
Hex(00B44A)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶
Hex(009831)	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 5.54 AA ¹ AAA 18pt ⁴
Hex(007D16)	Ratio: 2.61 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 3.94 AA 18pt ²
Hex(006300)	Ratio: 3.69 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(004900)	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(003200)	Ratio: 7.06 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(001600)	Ratio: 9.23 Passed ⁶	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 10.28 Passed ⁶	Ratio: 7.63 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.95 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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