

Converting Colors - WCAG Matrix

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

	Hex(7DE385)	Hex(61C76B)	Hex(42AB52)	Hex(218F38)	Hex(007521)	Hex(005C05)	Hex(004200)	Hex(002E00)	Hex(000F00)	Hex(000000)
Hex(7DE385)		Ratio: 1.33 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 7.42 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 13.20 Passed ⁶
Hex(61C76B)	Ratio: 1.33 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 9.89 Passed ⁶
Hex(42AB52)	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶
Hex(218F38)	Ratio: 2.61 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴
Hex(007521)	Ratio: 3.70 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(005C05)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(004200)	Ratio: 7.42 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(002E00)	Ratio: 9.49 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(000F00)	Ratio: 12.35 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 13.20 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.39 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.