

Converting Colors - WCAG Matrix

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

	Hex(7FBD6F)	Hex(64A256)	Hex(4A873E)	Hex(306D26)	Hex(13550D)	Hex(003D00)	Hex(002700)	Hex(000600)	Hex(000000)
Hex(7FBD6F)		Ratio: 1.37 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.29 Passed ⁶	Ratio: 9.17 Passed ⁶	Ratio: 9.41 Passed ⁶
Hex(64A256)	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴
Hex(4A873E)	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(306D26)	Ratio: 2.82 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.34 AA 18pt ²
Hex(13550D)	Ratio: 4.03 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(003D00)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(002700)	Ratio: 7.29 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(000600)	Ratio: 9.17 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 9.41 Passed ⁶	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.03 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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