

Converting Colors - WCAG Matrix

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

	Hex(9CCB9A)	Hex(81AF80)	Hex(679567)	Hex(4E7B4E)	Hex(366237)	Hex(1E4921)	Hex(04320C)	Hex(001F00)	Hex(000000)
Hex(9CCB9A)		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.79 Passed ⁶	Ratio: 9.55 Passed ⁶	Ratio: 11.42 Passed ⁶
Hex(81AF80)	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 8.38 Passed ⁶
Hex(679567)	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴
Hex(4E7B4E)	Ratio: 2.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(366237)	Ratio: 3.86 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(1E4921)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(04320C)	Ratio: 7.79 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(001F00)	Ratio: 9.55 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(000000)	Ratio: 11.42 Passed ⁶	Ratio: 8.38 Passed ⁶	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.20 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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