

Converting Colors - WCAG Matrix

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

	Hex(002400)	Hex(E2FFE2)	Hex(2C512F)	Hex(446A46)	Hex(5C835E)	Hex(759D76)	Hex(8FB890)	Hex(AAD4AB)	Hex(C6F0C6)
Hex(002400)		Ratio: 15.68 Passed ⁶	Ratio: 1.86 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 13.32 Passed ⁶
Hex(E2FFE2)	Ratio: 15.68 Passed ⁶		Ratio: 8.44 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(2C512F)	Ratio: 1.86 Failed ⁵	Ratio: 8.44 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶
Hex(446A46)	Ratio: 2.71 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(5C835E)	Ratio: 3.88 AA 18pt ²	Ratio: 4.04 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(759D76)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 2.87 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(8FB890)	Ratio: 7.53 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(AAD4AB)	Ratio: 10.15 Passed ⁶	Ratio: 1.54 Failed ⁵	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(C6F0C6)	Ratio: 13.32 Passed ⁶	Ratio: 1.18 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 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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