

Converting Colors - WCAG Matrix

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

	Hex(F896C)	Hex(E06E53)	Hex(C1543C)	Hex(A33A25)	Hex(86200F)	Hex(690000)	Hex(4B0000)	Hex(320002)	Hex(000000)
Hex(F896C)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 7.96 Passed ⁶	Ratio: 9.05 Passed ⁶
Hex(E06E53)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴
Hex(C1543C)	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴
Hex(A33A25)	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.19 AA 18pt ²
Hex(86200F)	Ratio: 4.06 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(690000)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(4B0000)	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(320002)	Ratio: 7.96 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(000000)	Ratio: 9.05 Passed ⁶	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 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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