

Converting Colors - WCAG Matrix

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

	Hex(F8853E)	Hex(D86B24)	Hex(B95104)	Hex(9B3800)	Hex(7C1E00)	Hex(5F0000)	Hex(420000)	Hex(280001)	Hex(000000)
Hex(F8853E)		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 8.42 Passed ⁶
Hex(D86B24)	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.05 AA ¹ AAA 18pt ⁴
Hex(B95104)	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(9B3800)	Ratio: 2.84 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(7C1E00)	Ratio: 4.12 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(5F0000)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(420000)	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(280001)	Ratio: 7.72 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 8.42 Passed ⁶	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.09 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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