

Converting Colors - WCAG Matrix

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

	Hex(F7386)	Hex(E0576D)	Hex(C23B55)	Hex(A41A3E)	Hex(860028)	Hex(690015)	Hex(4C0000)	Hex(300002)	Hex(000000)
Hex(F7386)		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 8.05 Passed ⁶
Hex(E0576D)	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴
Hex(C23B55)	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 4.05 AA 18pt ²
Hex(A41A3E)	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(860028)	Ratio: 3.94 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(690015)	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(4C0000)	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 4.40 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(300002)	Ratio: 7.14 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 8.05 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 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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