

Converting Colors - WCAG Matrix

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

	Hex(F8005D)	Hex(D80046)	Hex(B70030)	Hex(97001C)	Hex(780002)	Hex(590004)	Hex(390002)	Hex(0F0000)	Hex(000000)
Hex(F8005D)		Ratio: 1.28 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.38 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(D80046)	Ratio: 1.28 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 4.01 AA 18pt ²
Hex(B70030)	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.06 AA 18pt ²
Hex(97001C)	Ratio: 2.21 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(780002)	Ratio: 2.86 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(590004)	Ratio: 3.61 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(390002)	Ratio: 4.38 AA 18pt ²	Ratio: 3.41 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(0F0000)	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.02 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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