

Converting Colors - WCAG Matrix

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

	Hex(E91D58)	Hex(C90041)	Hex(A9002B)	Hex(890018)	Hex(6B0001)	Hex(4D0004)	Hex(2D0001)	Hex(000000)
Hex(E91D58)		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴
Hex(C90041)	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.56 AA 18pt ²
Hex(A9002B)	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(890018)	Ratio: 2.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(6B0001)	Ratio: 2.94 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(4D0004)	Ratio: 3.63 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(2D0001)	Ratio: 4.30 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.11 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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