

Converting Colors - WCAG Matrix

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

	Hex(E62E2E)	Hex(C50018)	Hex(A50000)	Hex(850000)	Hex(660000)	Hex(490003)	Hex(290001)	Hex(000000)
Hex(E62E2E)		Ratio: 1.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 4.38 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴
Hex(C50018)	Ratio: 1.42 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(A50000)	Ratio: 1.84 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(850000)	Ratio: 2.40 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(660000)	Ratio: 3.06 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(490003)	Ratio: 3.73 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(290001)	Ratio: 4.38 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.28 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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