

Converting Colors - WCAG Matrix

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

	Hex(E81717)	Hex(C70000)	Hex(A60000)	Hex(850000)	Hex(660001)	Hex(480004)	Hex(280001)	Hex(000000)
Hex(E81717)		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(C70000)	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.43 AA 18pt ²
Hex(A60000)	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(850000)	Ratio: 2.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(660001)	Ratio: 2.92 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(480004)	Ratio: 3.58 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(280001)	Ratio: 4.19 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.57 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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