

Converting Colors - WCAG Matrix

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

Hex(EA2B25) Hex(C9000D) Hex(A80000) Hex(880000) Hex(680000) Hex(4B0003) Hex(480004)

	Hex(EA2B25)	Hex(C9000D)	Hex(A80000)	Hex(880000)	Hex(680000)	Hex(4B0003)	Hex(480004)
Hex(EA2B25)		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.81 AA 18pt ²
Hex(C9000D)	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(A80000)	Ratio: 1.83 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(880000)	Ratio: 2.38 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(680000)	Ratio: 3.07 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(4B0003)	Ratio: 3.75 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(480004)	Ratio: 3.81 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.24 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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