

Converting Colors - WCAG Matrix

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

	Hex(E60B00)	Hex(C40000)	Hex(A30000)	Hex(830000)	Hex(630002)	Hex(450003)	Hex(240001)	Hex(000000)
Hex(E60B00)		Ratio: 1.32 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.10 AA 18pt ²	Ratio: 4.41 AA 18pt ²
Hex(C40000)	Ratio: 1.32 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.35 AA 18pt ²
Hex(A30000)	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(830000)	Ratio: 2.25 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(630002)	Ratio: 2.88 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(450003)	Ratio: 3.52 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(240001)	Ratio: 4.10 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 4.41 AA 18pt ²	Ratio: 3.35 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.08 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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