

Converting Colors - WCAG Matrix

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

	Hex(D75431)	Hex(B83919)	Hex(991B01)	Hex(7A0000)	Hex(5C0000)	Hex(400001)	Hex(210001)	Hex(000000)
Hex(D75431)		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.27 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 5.20 AA ¹ AAA 18pt ⁴
Hex(B83919)	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 3.64 AA 18pt ²
Hex(991B01)	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(7A0000)	Ratio: 2.85 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(5C0000)	Ratio: 3.58 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(400001)	Ratio: 4.27 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(210001)	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.07 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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