

Converting Colors - WCAG Matrix

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

	Hex(DB5E1C)	Hex(BD4500)	Hex(9E2900)	Hex(7D0800)	Hex(5E0000)	Hex(420000)	Hex(260000)	Hex(000000)
Hex(DB5E1C)		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴
Hex(BD4500)	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 4.01 AA 18pt ²
Hex(9E2900)	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(7D0800)	Ratio: 2.95 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(5E0000)	Ratio: 3.81 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(420000)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(260000)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 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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