

Converting Colors - WCAG Matrix

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

	Hex(DC5300)	Hex(BC3800)	Hex(9C1900)	Hex(7D0000)	Hex(5E0000)	Hex(420001)	Hex(240001)	Hex(000000)
Hex(DC5300)		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.29 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴
Hex(BC3800)	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(9C1900)	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(7D0000)	Ratio: 2.82 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(5E0000)	Ratio: 3.58 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(420001)	Ratio: 4.29 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(240001)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.87 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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