

Converting Colors - WCAG Matrix

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

	Hex(DC6D56)	Hex(BE533E)	Hex(A03928)	Hex(821F12)	Hex(660000)	Hex(480000)	Hex(2F0002)	Hex(000000)
Hex(DC6D56)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴
Hex(BE533E)	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.01 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(A03928)	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(821F12)	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(660000)	Ratio: 4.07 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(480000)	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(2F0002)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.11 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.12 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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