

Converting Colors - WCAG Matrix

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

	Hex(FF5717)	Hex(DE3900)	Hex(BD1200)	Hex(9D0000)	Hex(7D0000)	Hex(5E0000)	Hex(420003)	Hex(200001)	Hex(000000)
Hex(FF5717)		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴
Hex(DE3900)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴
Hex(BD1200)	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(9D0000)	Ratio: 2.72 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(7D0000)	Ratio: 3.54 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(5E0000)	Ratio: 4.49 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(420003)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(200001)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 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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