

Converting Colors - WCAG Matrix

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

	Hex(ED5E5E)	Hex(CF4247)	Hex(B02430)	Hex(91001C)	Hex(730003)	Hex(540000)	Hex(3B0003)	Hex(120000)	Hex(000000)
Hex(ED5E5E)		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴
Hex(CF4247)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴
Hex(B02430)	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.14 AA 18pt ²
Hex(91001C)	Ratio: 2.87 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(730003)	Ratio: 3.68 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(540000)	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(3B0003)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(120000)	Ratio: 6.20 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.03 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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