

Converting Colors - WCAG Matrix

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

	Hex(F17A25)	Hex(D16001)	Hex(B24600)	Hex(932D00)	Hex(741000)	Hex(570000)	Hex(3B0000)	Hex(1C0001)	Hex(000000)
Hex(F17A25)		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 7.55 Passed ⁶
Hex(D16001)	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 5.38 AA ¹ AAA 18pt ⁴
Hex(B24600)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 3.77 AA 18pt ²
Hex(932D00)	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(741000)	Ratio: 4.16 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(570000)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(3B0000)	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(1C0001)	Ratio: 7.19 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 7.55 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.05 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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