

Converting Colors - WCAG Matrix

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

	Hex(F0858A)	Hex(D26B71)	Hex(B55158)	Hex(983741)	Hex(7B1C2B)	Hex(5F0017)	Hex(440000)	Hex(2B0001)	Hex(000000)
Hex(F0858A)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 8.43 Passed ⁶
Hex(D26B71)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴
Hex(B55158)	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(983741)	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(7B1C2B)	Ratio: 4.12 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(5F0017)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(440000)	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(2B0001)	Ratio: 7.64 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 8.43 Passed ⁶	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 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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