

Converting Colors - WCAG Matrix

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

	Hex(212423)	Hex(FCFFFE)	Hex(4D514F)	Hex(656967)	Hex(7E8280)	Hex(989C9A)	Hex(B3B7B5)	Hex(CED2D0)	Hex(EBEFED)
Hex(212423)		Ratio: 15.56 Passed ⁶	Ratio: 1.94 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 13.50 Passed ⁶
Hex(FCFFFE)	Ratio: 15.56 Passed ⁶		Ratio: 8.01 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(4D514F)	Ratio: 1.94 Failed ⁵	Ratio: 8.01 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(656967)	Ratio: 2.81 Failed ⁵	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(7E8280)	Ratio: 4.02 AA 18pt ²	Ratio: 3.87 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(989C9A)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 2.76 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(B3B7B5)	Ratio: 7.72 Passed ⁶	Ratio: 2.02 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(CED2D0)	Ratio: 10.25 Passed ⁶	Ratio: 1.52 Failed ⁵	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(EBEFED)	Ratio: 13.50 Passed ⁶	Ratio: 1.15 Failed ⁵	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 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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