

Converting Colors - WCAG Matrix

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

Hex(4F574A) Hex(FFFFFF) Hex(80877A) Hex(99A394) Hex(B5BFB0) Hex(D1D9C9) Hex(EDF5E8)

	Hex(4F574A)	Hex(FFFFFF)	Hex(80877A)	Hex(99A394)	Hex(B5BFB0)	Hex(D1D9C9)	Hex(EDF5E8)
Hex(4F574A)		Ratio: 7.51 Passed ⁶	Ratio: 2.03 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.51 Passed ⁶		Ratio: 3.71 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(80877A)	Ratio: 2.03 Failed ⁵	Ratio: 3.71 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(99A394)	Ratio: 2.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(B5BFB0)	Ratio: 3.95 AA 18pt ²	Ratio: 1.90 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(D1D9C9)	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(EDF5E8)	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 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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