

Converting Colors - WCAG Matrix

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

	Hex(31382B)	Hex(FFFFFF)	Hex(5F6759)	Hex(788071)	Hex(929A8B)	Hex(ACB5A5)	Hex(C8D0C0)	Hex(E4EDDC)	Hex(FFFFFF8)
Hex(31382B)		Ratio: 12.13 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 12.08 Passed ⁶
Hex(FFFFFF)	Ratio: 12.13 Passed ⁶		Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(5F6759)	Ratio: 2.06 Failed ⁵	Ratio: 5.88 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴
Hex(788071)	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(929A8B)	Ratio: 4.17 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(ACB5A5)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(C8D0C0)	Ratio: 7.65 Passed ⁶	Ratio: 1.59 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(E4EDDC)	Ratio: 10.08 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFFFF8)	Ratio: 12.08 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 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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