

Converting Colors - WCAG Matrix

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

	Hex(3A3B2A)	Hex(FFFFFF)	Hex(696A58)	Hex(838370)	Hex(9D9D8A)	Hex(B8B8A4)	Hex(D3D3BF)	Hex(F0F0DB)	Hex(FFFFF7)
Hex(3A3B2A)		Ratio: 11.42 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 11.36 Passed ⁶
Hex(FFFFFF)	Ratio: 11.42 Passed ⁶		Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(696A58)	Ratio: 2.07 Failed ⁵	Ratio: 5.52 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(838370)	Ratio: 2.96 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.84 AA 18pt ²
Hex(9D9D8A)	Ratio: 4.15 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(B8B8A4)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(D3D3BF)	Ratio: 7.53 Passed ⁶	Ratio: 1.52 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(F0F0DB)	Ratio: 9.89 Passed ⁶	Ratio: 1.15 Failed ⁵	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(FFFFF7)	Ratio: 11.36 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.15 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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