

Converting Colors - WCAG Matrix

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

	Hex(4D3A47)	Hex(FFFFFF)	Hex(7E6977)	Hex(988291)	Hex(B39DAC)	Hex(CFB7C7)	Hex(EBD3E3)	Hex(FFEFFF)
Hex(4D3A47)		Ratio: 10.44 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 9.47 Passed ⁶
Hex(FFFFFF)	Ratio: 10.44 Passed ⁶		Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(7E6977)	Ratio: 2.07 Failed ⁵	Ratio: 5.03 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴
Hex(988291)	Ratio: 2.95 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(B39DAC)	Ratio: 4.14 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(CFB7C7)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 1.87 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(EBD3E3)	Ratio: 7.44 Passed ⁶	Ratio: 1.40 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FFEFFF)	Ratio: 9.47 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 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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