

Converting Colors - WCAG Matrix

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

	Hex(3D3A38)	Hex(54514F)	Hex(6C6967)	Hex(868280)	Hex(A09C9A)	Hex(BBB7B5)	Hex(D6D3D0)	Hex(F3EFED)	Hex(FFFFFF)
Hex(3D3A38)		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 9.88 Passed ⁶	Ratio: 11.29 Passed ⁶
Hex(54514F)	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 7.87 Passed ⁶
Hex(6C6967)	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.45 AA ¹ AAA 18pt ⁴
Hex(868280)	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.81 AA 18pt ²
Hex(A09C9A)	Ratio: 4.15 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(BBB7B5)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(D6D3D0)	Ratio: 7.57 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(F3EFED)	Ratio: 9.88 Passed ⁶	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(FFFFFF)	Ratio: 11.29 Passed ⁶	Ratio: 7.87 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.14 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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