

Converting Colors - WCAG Matrix

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

	Hex(473D3D)	Hex(FFFFFF)	Hex(786D6D)	Hex(928686)	Hex(ACA0A0)	Hex(C8BBBB)	Hex(E4D7D7)	Hex(FFF3F3)
Hex(473D3D)		Ratio: 10.49 Passed ⁶	Ratio: 2.10 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 9.67 Passed ⁶
Hex(FFFFFF)	Ratio: 10.49 Passed ⁶		Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(786D6D)	Ratio: 2.10 Failed ⁵	Ratio: 4.99 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴
Hex(928686)	Ratio: 2.98 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(ACA0A0)	Ratio: 4.14 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(C8BBBB)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 1.86 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(E4D7D7)	Ratio: 7.49 Passed ⁶	Ratio: 1.40 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(FFF3F3)	Ratio: 9.67 Passed ⁶	Ratio: 1.08 Failed ⁵	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 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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