

Converting Colors - WCAG Matrix

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

	Hex(1C1719)	Hex(FFF9FB)	Hex(474244)	Hex(5F595B)	Hex(777274)	Hex(918B8D)	Hex(ACA5A8)	Hex(C7C0C3)	Hex(E3DCDF)
Hex(1C1719)		Ratio: 17.03 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 9.91 Passed ⁶	Ratio: 13.13 Passed ⁶
Hex(FFF9FB)	Ratio: 17.03 Passed ⁶		Ratio: 9.48 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(474244)	Ratio: 1.80 Failed ⁵	Ratio: 9.48 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶
Hex(5F595B)	Ratio: 2.59 Failed ⁵	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴
Hex(777274)	Ratio: 3.75 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.50 AA 18pt ²
Hex(918B8D)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(ACA5A8)	Ratio: 7.34 Passed ⁶	Ratio: 2.32 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(C7C0C3)	Ratio: 9.91 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E3DCDF)	Ratio: 13.13 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.31 Passed ⁶	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 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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