

Converting Colors - WCAG Matrix

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

Hex(FFFFFFA) Hex(FFFFFFC) Hex(FFFAFA) Hex(80807E) Hex(000000) Hex(808080)

Hex(FFFFFFA)	Ratio: 1.00 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.94 Passed ⁶	Ratio: 3.94 AA 18pt ²	
Hex(FFFFFFC)	Ratio: 1.00 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.96 Passed ⁶	Ratio: 3.94 AA 18pt ²	
Hex(FFFAFA)	Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 20.31 Passed ⁶	Ratio: 3.82 AA 18pt ²	
Hex(80807E)	Ratio: 3.95 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.83 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	
Hex(000000)	Ratio: 20.94 Passed ⁶	Ratio: 20.96 Passed ⁶	Ratio: 20.31 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 5.32 AA ¹ AAA 18pt ⁴	
Hex(808080)	Ratio: 3.94 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 1.00 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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