

Converting Colors - WCAG Matrix

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

Hex(FFFFFFA6) Hex(FFFFFFE3) Hex(FFFA6A6) Hex(80806F) Hex(000000) Hex(808080)

	Hex(FFFFFFA6)	Hex(FFFFFFE3)	Hex(FFFA6A6)	Hex(80806F)	Hex(000000)	Hex(808080)
Hex(FFFFFFA6)		Ratio: 1.03 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 20.11 Passed ⁶	Ratio: 3.78 AA 18pt ²
Hex(FFFFFFE3)	Ratio: 1.03 Failed ⁵		Ratio: 1.84 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.67 Passed ⁶	Ratio: 3.89 AA 18pt ²
Hex(FFFA6A6)	Ratio: 1.79 Failed ⁵	Ratio: 1.84 Failed ⁵		Ratio: 2.15 Failed ⁵	Ratio: 11.26 Passed ⁶	Ratio: 2.12 Failed ⁵
Hex(80806F)	Ratio: 3.84 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 2.15 Failed ⁵		Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 20.11 Passed ⁶	Ratio: 20.67 Passed ⁶	Ratio: 11.26 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.78 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.02 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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