

Converting Colors - WCAG Matrix

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

	Hex(464846)	Hex(FFFFFF)	Hex(767876)	Hex(909290)	Hex(AAADA)	Hex(C6C8C6)	Hex(E2E4E2)	Hex(FFFFFFE)
Hex(464846)		Ratio: 9.23 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶	Ratio: 9.21 Passed ⁶
Hex(FFFFFF)	Ratio: 9.23 Passed ⁶		Ratio: 4.45 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(767876)	Ratio: 2.07 Failed ⁵	Ratio: 4.45 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.44 AA 18pt ²
Hex(909290)	Ratio: 2.94 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(AAADA)	Ratio: 4.07 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(C6C8C6)	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 1.68 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(E2E4E2)	Ratio: 7.22 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(FFFFFFE)	Ratio: 9.21 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 4.44 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 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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