

Converting Colors - WCAG Matrix

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

	Hex(465346)	Hex(FFFFFF)	Hex(768476)	Hex(909F90)	Hex(ABBAAA)	Hex(C6D5C6)	Hex(E2F2E2)	Hex(FFFFFFE)
Hex(465346)		Ratio: 8.12 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 8.12 Passed ⁶
Hex(FFFFFF)	Ratio: 8.12 Passed ⁶		Ratio: 3.94 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(768476)	Ratio: 2.06 Failed ⁵	Ratio: 3.94 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.94 AA 18pt ²
Hex(909F90)	Ratio: 2.92 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(ABBAAA)	Ratio: 4.00 AA 18pt ²	Ratio: 2.03 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(C6D5C6)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 1.53 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(E2F2E2)	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(FFFFFFE)	Ratio: 8.12 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.16 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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