

Converting Colors - WCAG Matrix

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

	Hex(465B29)	Hex(FFFFFF)	Hex(778E58)	Hex(91A871)	Hex(ACC48A)	Hex(C8DFA5)	Hex(E4FCC0)	Hex(FFFFDC)	Hex(FFFFF9)
Hex(465B29)		Ratio: 7.53 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 7.50 Passed ⁶
Hex(FFFFFF)	Ratio: 7.53 Passed ⁶		Ratio: 3.62 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(778E58)	Ratio: 2.08 Failed ⁵	Ratio: 3.62 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 3.61 AA 18pt ²
Hex(91A871)	Ratio: 2.88 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(ACC48A)	Ratio: 3.95 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(C8DFA5)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(E4FCC0)	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(FFFFDC)	Ratio: 7.38 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFF9)	Ratio: 7.50 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.02 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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