

Converting Colors - WCAG Matrix

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

	Hex(616F45)	Hex(FFFFFF)	Hex(94A376)	Hex(AFBE90)	Hex(CBDAAA)	Hex(E7F6C6)	Hex(FFFE2)	Hex(FFFFFFE)
Hex(616F45)		Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 5.43 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.43 AA ¹ AAA 18pt ⁴		Ratio: 2.71 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(94A376)	Ratio: 2.01 Failed ⁵	Ratio: 2.71 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(AFBE90)	Ratio: 2.74 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(CBDAAA)	Ratio: 3.66 AA 18pt ²	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(E7F6C6)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(FFFE2)	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFFE)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.14 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

Failed 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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