

Converting Colors - WCAG Matrix

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

	Hex(174419)	Hex(FFFFFF)	Hex(487446)	Hex(618E5E)	Hex(7BA977)	Hex(95C490)	Hex(B0E0AB)	Hex(CCFDC6)	Hex(E8FFE3)
Hex(174419)		Ratio: 11.19 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.82 Passed ⁶	Ratio: 10.57 Passed ⁶
Hex(FFFFFF)	Ratio: 11.19 Passed ⁶		Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(487446)	Ratio: 2.06 Failed ⁵	Ratio: 5.44 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.14 AA ¹ AAA 18pt ⁴
Hex(618E5E)	Ratio: 2.95 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(7BA977)	Ratio: 4.15 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.55 Failed ⁵
Hex(95C490)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 1.99 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(B0E0AB)	Ratio: 7.51 Passed ⁶	Ratio: 1.49 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(CCFDC6)	Ratio: 9.82 Passed ⁶	Ratio: 1.14 Failed ⁵	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(E8FFE3)	Ratio: 10.57 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.08 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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