

Converting Colors - WCAG Matrix

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

	Hex(4A5337)	Hex(626B4E)	Hex(7B8466)	Hex(959F7F)	Hex(B0B999)	Hex(CBD5B4)	Hex(E7F2D0)	Hex(FFFEC)	Hex(FFFFFF)
Hex(4A5337)		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 8.04 Passed ⁶	Ratio: 8.13 Passed ⁶
Hex(626B4E)	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴
Hex(7B8466)	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 3.94 AA 18pt ²
Hex(959F7F)	Ratio: 2.92 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(B0B999)	Ratio: 3.97 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(CBD5B4)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(E7F2D0)	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(FFFEC)	Ratio: 8.04 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFFF)	Ratio: 8.13 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.01 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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