

Converting Colors - WCAG Matrix

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

	Hex(FFD9A3)	Hex(E2BD88)	Hex(C5A26F)	Hex(A98856)	Hex(8D6F3E)	Hex(725627)	Hex(583F10)	Hex(402900)	Hex(271500)	Hex(010000)
Hex(FFD9A3)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 13.16 Passed ⁶	Ratio: 15.69 Passed ⁶
Hex(E2BD88)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.94 Passed ⁶	Ratio: 11.85 Passed ⁶
Hex(C5A26F)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.35 Passed ⁶	Ratio: 8.76 Passed ⁶
Hex(A98856)	Ratio: 2.48 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴
Hex(8D6F3E)	Ratio: 3.51 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(725627)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(583F10)	Ratio: 7.36 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(402900)	Ratio: 10.23 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(271500)	Ratio: 13.16 Passed ⁶	Ratio: 9.94 Passed ⁶	Ratio: 7.35 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(010000)	Ratio: 15.69 Passed ⁶	Ratio: 11.85 Passed ⁶	Ratio: 8.76 Passed ⁶	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 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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