

Converting Colors - WCAG Matrix

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

	Hex(FACAD8)	Hex(DDAFBC)	Hex(C194A1)	Hex(A57A87)	Hex(8B616E)	Hex(714956)	Hex(58323E)	Hex(401C29)	Hex(290614)	Hex(030000)
Hex(FACAD8)		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 12.83 Passed ⁶	Ratio: 14.45 Passed ⁶
Hex(DDAFBC)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 10.89 Passed ⁶
Hex(C194A1)	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶	Ratio: 7.99 Passed ⁶
Hex(A57A87)	Ratio: 2.53 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.71 AA ¹ AAA 18pt ⁴
Hex(8B616E)	Ratio: 3.60 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.02 AA 18pt ²
Hex(714956)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(58323E)	Ratio: 7.47 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(401C29)	Ratio: 10.24 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(290614)	Ratio: 12.83 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 7.09 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(030000)	Ratio: 14.45 Passed ⁶	Ratio: 10.89 Passed ⁶	Ratio: 7.99 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.13 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.