

Converting Colors - WCAG Matrix

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

	Hex(030A10)	Hex(E4EAEF)	Hex(32363A)	Hex(484D51)	Hex(606569)	Hex(797E82)	Hex(92989D)	Hex(ADB3B7)	Hex(C8CED3)
Hex(030A10)		Ratio: 16.41 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 9.39 Passed ⁶	Ratio: 12.54 Passed ⁶
Hex(E4EAEF)	Ratio: 16.41 Passed ⁶		Ratio: 10.04 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(32363A)	Ratio: 1.63 Failed ⁵	Ratio: 10.04 Passed ⁶		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶
Hex(484D51)	Ratio: 2.33 Failed ⁵	Ratio: 7.05 Passed ⁶	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴
Hex(606569)	Ratio: 3.38 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.71 AA 18pt ²
Hex(797E82)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(92989D)	Ratio: 6.83 AA ¹ AAA 18pt ⁴	Ratio: 2.40 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(ADB3B7)	Ratio: 9.39 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(C8CED3)	Ratio: 12.54 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.67 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.33 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.