

Converting Colors - WCAG Matrix

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

	Hex(001A19)	Hex(182E2E)	Hex(2E4444)	Hex(445C5B)	Hex(5C7474)	Hex(758E8D)	Hex(8FA8A8)	Hex(AAC4C3)	Hex(C5DFDF)	Hex(E1FCFC)
Hex(001A19)		Ratio: 1.26 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶	Ratio: 9.81 Passed ⁶	Ratio: 12.91 Passed ⁶	Ratio: 16.81 Passed ⁶
Hex(182E2E)	Ratio: 1.26 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.30 Passed ⁶
Hex(2E4444)	Ratio: 1.74 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶	Ratio: 9.64 Passed ⁶
Hex(445C5B)	Ratio: 2.52 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴
Hex(5C7474)	Ratio: 3.62 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(758E8D)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.25 AA 18pt ²
Hex(8FA8A8)	Ratio: 7.17 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(AAC4C3)	Ratio: 9.81 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(C5DFDF)	Ratio: 12.91 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(E1FCFC)	Ratio: 16.81 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 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.

This PDF was generated on convertingcolors.com.