

Converting Colors - WCAG Matrix

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

	Hex(001B19)	Hex(E1FEFB)	Hex(2D4644)	Hex(445E5B)	Hex(5C7674)	Hex(75908D)	Hex(8FAAA8)	Hex(AAC6C3)	Hex(C5E2DF)
Hex(001B19)		Ratio: 16.89 Passed ⁶	Ratio: 1.77 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 13.08 Passed ⁶
Hex(E1FEFB)	Ratio: 16.89 Passed ⁶		Ratio: 9.55 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(2D4644)	Ratio: 1.77 Failed ⁵	Ratio: 9.55 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.40 Passed ⁶
Hex(445E5B)	Ratio: 2.56 Failed ⁵	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(5C7674)	Ratio: 3.67 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.56 AA 18pt ²
Hex(75908D)	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(8FAAA8)	Ratio: 7.25 Passed ⁶	Ratio: 2.33 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(AAC6C3)	Ratio: 9.89 Passed ⁶	Ratio: 1.71 Failed ⁵	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(C5E2DF)	Ratio: 13.08 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 7.40 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 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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