

Converting Colors - WCAG Matrix

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

	Hex(201B23)	Hex(FFFFFF)	Hex(4C464F)	Hex(635E67)	Hex(7C7780)	Hex(96909A)	Hex(B1ABB5)	Hex(CCC6D0)	Hex(E8E2EC)
Hex(201B23)		Ratio: 16.90 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 13.30 Passed ⁶
Hex(FFFFFF)	Ratio: 16.90 Passed ⁶		Ratio: 9.15 Passed ⁶	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(4C464F)	Ratio: 1.85 Failed ⁵	Ratio: 9.15 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶
Hex(635E67)	Ratio: 2.68 Failed ⁵	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(7C7780)	Ratio: 3.87 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(96909A)	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.11 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(B1ABB5)	Ratio: 7.54 Passed ⁶	Ratio: 2.24 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(CCC6D0)	Ratio: 10.11 Passed ⁶	Ratio: 1.67 Failed ⁵	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E8E2EC)	Ratio: 13.30 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 7.19 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.76 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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