

Converting Colors - WCAG Matrix

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

	Hex(080712)	Hex(201F27)	Hex(35343C)	Hex(4C4B53)	Hex(63636C)	Hex(7C7C85)	Hex(96969F)	Hex(B1B0BA)	Hex(CCCCD5)	Hex(E8E8F2)
Hex(080712)		Ratio: 1.23 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 9.33 Passed ⁶	Ratio: 12.55 Passed ⁶	Ratio: 16.44 Passed ⁶
Hex(201F27)	Ratio: 1.23 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 13.41 Passed ⁶
Hex(35343C)	Ratio: 1.63 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.10 Passed ⁶
Hex(4C4B53)	Ratio: 2.32 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶
Hex(63636C)	Ratio: 3.37 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(7C7C85)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(96969F)	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(B1B0BA)	Ratio: 9.33 Passed ⁶	Ratio: 7.61 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(CCCCD5)	Ratio: 12.55 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 7.71 Passed ⁶	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E8E8F2)	Ratio: 16.44 Passed ⁶	Ratio: 13.41 Passed ⁶	Ratio: 10.10 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 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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