

Converting Colors - WCAG Matrix

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

	Hex(07010D)	Hex(1F1C23)	Hex(343138)	Hex(4B474F)	Hex(635F67)	Hex(7C7880)	Hex(95919A)	Hex(B0ACB5)	Hex(CCC7D0)	Hex(E8E3ED)
Hex(07010D)		Ratio: 1.23 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 9.24 Passed ⁶	Ratio: 12.41 Passed ⁶	Ratio: 16.33 Passed ⁶
Hex(1F1C23)	Ratio: 1.23 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 13.33 Passed ⁶
Hex(343138)	Ratio: 1.61 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.13 Passed ⁶
Hex(4B474F)	Ratio: 2.27 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶
Hex(635F67)	Ratio: 3.30 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(7C7880)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(95919A)	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(B0ACB5)	Ratio: 9.24 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(CCC7D0)	Ratio: 12.41 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E8E3ED)	Ratio: 16.33 Passed ⁶	Ratio: 13.33 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 7.19 Passed ⁶	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.77 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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