

Converting Colors - WCAG Matrix

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

	Hex(1B171F)	Hex(302B34)	Hex(47414A)	Hex(5E5862)	Hex(77717B)	Hex(908A95)	Hex(ABA5AF)	Hex(C6C0CB)	Hex(E2DCE7)	Hex(FFF8FF)
Hex(1B171F)		Ratio: 1.28 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 13.14 Passed ⁶	Ratio: 16.92 Passed ⁶
Hex(302B34)	Ratio: 1.28 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 13.23 Passed ⁶
Hex(47414A)	Ratio: 1.79 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 9.48 Passed ⁶
Hex(5E5862)	Ratio: 2.56 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.60 AA ¹ AAA 18pt ⁴
Hex(77717B)	Ratio: 3.73 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴
Hex(908A95)	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(ABA5AF)	Ratio: 7.34 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(C6C0CB)	Ratio: 9.93 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(E2DCE7)	Ratio: 13.14 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 7.36 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(FFF8FF)	Ratio: 16.92 Passed ⁶	Ratio: 13.23 Passed ⁶	Ratio: 9.48 Passed ⁶	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 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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