

Converting Colors - WCAG Matrix

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

	Hex(9FC7C7)	Hex(85ACAC)	Hex(6B9191)	Hex(527777)	Hex(395E5F)	Hex(224747)	Hex(083031)	Hex(001C1C)	Hex(000000)
Hex(9FC7C7)		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 11.47 Passed ⁶
Hex(85ACAC)	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.49 Passed ⁶
Hex(6B9191)	Ratio: 1.88 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴
Hex(527777)	Ratio: 2.69 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(395E5F)	Ratio: 3.90 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(224747)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(083031)	Ratio: 7.76 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(001C1C)	Ratio: 9.70 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 11.47 Passed ⁶	Ratio: 8.49 Passed ⁶	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.18 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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