

Converting Colors - WCAG Matrix

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

	Hex(313432)	Hex(FFFFFF)	Hex(5F6260)	Hex(787B79)	Hex(929592)	Hex(ACAFAD)	Hex(C8CBC8)	Hex(E4E7E4)
Hex(313432)		Ratio: 12.59 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.10 Passed ⁶
Hex(FFFFFF)	Ratio: 12.59 Passed ⁶		Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(5F6260)	Ratio: 2.04 Failed ⁵	Ratio: 6.17 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(787B79)	Ratio: 2.94 Failed ⁵	Ratio: 4.28 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(929592)	Ratio: 4.16 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(ACAFAD)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 2.21 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(C8CBC8)	Ratio: 7.69 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E4E7E4)	Ratio: 10.10 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.78 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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