

Converting Colors - WCAG Matrix

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

	Hex(FFFFFF)	Hex(E6E2EE)	Hex(CAC6D2)	Hex(AEABB6)	Hex(94919C)	Hex(7A7782)	Hex(615E68)	Hex(494750)	Hex(333039)
Hex(FFFFFF)		Ratio: 1.27 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 9.13 Passed ⁶	Ratio: 12.94 Passed ⁶
Hex(E6E2EE)	Ratio: 1.27 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶	Ratio: 10.16 Passed ⁶
Hex(CAC6D2)	Ratio: 1.68 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶
Hex(AEABB6)	Ratio: 2.26 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴
Hex(94919C)	Ratio: 3.09 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.18 AA 18pt ²
Hex(7A7782)	Ratio: 4.39 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(615E68)	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(494750)	Ratio: 9.13 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵
Hex(333039)	Ratio: 12.94 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 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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