

Converting Colors - WCAG Matrix

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

	Hex(484554)	Hex(FFFFFF)	Hex(787586)	Hex(928FA0)	Hex(ACA9BB)	Hex(C8C4D6)	Hex(E4E0F3)	Hex(FFFDFF)
Hex(484554)		Ratio: 9.31 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 9.20 Passed ⁶
Hex(FFFFFF)	Ratio: 9.31 Passed ⁶		Ratio: 4.48 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(787586)	Ratio: 2.08 Failed ⁵	Ratio: 4.48 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(928FA0)	Ratio: 2.95 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(ACA9BB)	Ratio: 4.06 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(C8C4D6)	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 1.70 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(E4E0F3)	Ratio: 7.21 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(FFFDFF)	Ratio: 9.20 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.43 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 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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