

Converting Colors - WCAG Matrix

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

	Hex(484251)	Hex(FFFFFF)	Hex(787282)	Hex(928B9C)	Hex(ACA6B7)	Hex(C8C1D2)	Hex(E4DDEF)	Hex(FFF9FF)
Hex(484251)		Ratio: 9.66 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 9.31 Passed ⁶
Hex(FFFFFF)	Ratio: 9.66 Passed ⁶		Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(787282)	Ratio: 2.08 Failed ⁵	Ratio: 4.64 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(928B9C)	Ratio: 2.94 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(ACA6B7)	Ratio: 4.09 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(C8C1D2)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 1.75 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(E4DDEF)	Ratio: 7.31 Passed ⁶	Ratio: 1.32 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FFF9FF)	Ratio: 9.31 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 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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