

Converting Colors - WCAG Matrix

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

	Hex(484548)	Hex(FFFFFF)	Hex(787578)	Hex(928F92)	Hex(ADA9AD)	Hex(C8C4C8)	Hex(E4E0E4)	Hex(FFDFF)
Hex(484548)		Ratio: 9.46 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶	Ratio: 9.34 Passed ⁶
Hex(FFFFFF)	Ratio: 9.46 Passed ⁶		Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(787578)	Ratio: 2.08 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(928F92)	Ratio: 2.96 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.16 AA 18pt ²
Hex(ADA9AD)	Ratio: 4.08 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(C8C4C8)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 1.72 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(E4E0E4)	Ratio: 7.24 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(FFDFF)	Ratio: 9.34 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 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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