

Converting Colors - WCAG Matrix

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

	Hex(52484E)	Hex(6A6066)	Hex(83787F)	Hex(9D9299)	Hex(B8ADB4)	Hex(D4C8CF)	Hex(F0E4EB)	Hex(FFFFFF)
Hex(52484E)		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶	Ratio: 8.77 Passed ⁶
Hex(6A6066)	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴
Hex(83787F)	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(9D9299)	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(B8ADB4)	Ratio: 4.04 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(D4C8CF)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(F0E4EB)	Ratio: 7.10 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(FFFFFF)	Ratio: 8.77 Passed ⁶	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 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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