

Converting Colors - WCAG Matrix

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

	Hex(3B303C)	Hex(FFFFFF)	Hex(6A5E6B)	Hex(847784)	Hex(9E909F)	Hex(B9ABBA)	Hex(D4C6D5)	Hex(F1E2F2)
Hex(3B303C)		Ratio: 12.54 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 10.10 Passed ⁶
Hex(FFFFFF)	Ratio: 12.54 Passed ⁶		Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(6A5E6B)	Ratio: 2.05 Failed ⁵	Ratio: 6.13 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴
Hex(847784)	Ratio: 2.96 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.41 AA 18pt ²
Hex(9E909F)	Ratio: 4.15 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(B9ABBA)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 2.19 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(D4C6D5)	Ratio: 7.67 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(F1E2F2)	Ratio: 10.10 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 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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