

Converting Colors - WCAG Matrix

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

	Hex(F0E5ED)	Hex(D4C9D1)	Hex(B8AEB5)	Hex(9D939A)	Hex(837980)	Hex(6A6067)	Hex(52494F)	Hex(3B3238)	Hex(251D23)	Hex(10040D)
Hex(F0E5ED)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 13.40 Passed ⁶	Ratio: 16.39 Passed ⁶
Hex(D4C9D1)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 12.51 Passed ⁶
Hex(B8AEB5)	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 9.34 Passed ⁶
Hex(9D939A)	Ratio: 2.42 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴
Hex(837980)	Ratio: 3.42 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(6A6067)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(52494F)	Ratio: 7.07 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(3B3238)	Ratio: 10.08 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(251D23)	Ratio: 13.40 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 7.63 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(10040D)	Ratio: 16.39 Passed ⁶	Ratio: 12.51 Passed ⁶	Ratio: 9.34 Passed ⁶	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.22 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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