

Converting Colors - WCAG Matrix

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

	Hex(111012)	Hex(F1F0F2)	Hex(3B3B3C)	Hex(525253)	Hex(6A6A6B)	Hex(848385)	Hex(9E9D9F)	Hex(B9B8BA)	Hex(D4D3D5)
Hex(111012)		Ratio: 16.71 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 12.72 Passed ⁶
Hex(F1F0F2)	Ratio: 16.71 Passed ⁶		Ratio: 9.85 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(3B3B3C)	Ratio: 1.70 Failed ⁵	Ratio: 9.85 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶
Hex(525253)	Ratio: 2.43 Failed ⁵	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴
Hex(6A6A6B)	Ratio: 3.51 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(848385)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(9E9D9F)	Ratio: 7.03 Passed ⁶	Ratio: 2.38 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(B9B8BA)	Ratio: 9.60 Passed ⁶	Ratio: 1.74 Failed ⁵	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(D4D3D5)	Ratio: 12.72 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.50 Passed ⁶	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 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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