

Converting Colors - WCAG Matrix

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

	Hex(231B1D)	Hex(FFFEFF)	Hex(4F4648)	Hex(685E60)	Hex(817679)	Hex(9B9093)	Hex(B5ABAD)	Hex(D1C6C8)	Hex(EDE2E4)
Hex(231B1D)		Ratio: 16.75 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 13.32 Passed ⁶
Hex(FFFEFF)	Ratio: 16.75 Passed ⁶		Ratio: 9.07 Passed ⁶	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(4F4648)	Ratio: 1.85 Failed ⁵	Ratio: 9.07 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶
Hex(685E60)	Ratio: 2.70 Failed ⁵	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴
Hex(817679)	Ratio: 3.85 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.46 AA 18pt ²
Hex(9B9093)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.07 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(B5ABAD)	Ratio: 7.54 Passed ⁶	Ratio: 2.22 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(D1C6C8)	Ratio: 10.13 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(EDE2E4)	Ratio: 13.32 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 7.21 Passed ⁶	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 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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