

Converting Colors - WCAG Matrix

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

	Hex(060007)	Hex(E7E2E8)	Hex(343034)	Hex(4A474B)	Hex(625E63)	Hex(7B777C)	Hex(959196)	Hex(AFABB0)	Hex(CBC6CC)
Hex(060007)		Ratio: 16.27 Passed ⁶	Ratio: 1.60 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 9.18 Passed ⁶	Ratio: 12.36 Passed ⁶
Hex(E7E2E8)	Ratio: 16.27 Passed ⁶		Ratio: 10.16 Passed ⁶	Ratio: 7.17 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(343034)	Ratio: 1.60 Failed ⁵	Ratio: 10.16 Passed ⁶		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶
Hex(4A474B)	Ratio: 2.27 Failed ⁵	Ratio: 7.17 Passed ⁶	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴
Hex(625E63)	Ratio: 3.27 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.78 AA 18pt ²
Hex(7B777C)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(959196)	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 2.43 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(AFABB0)	Ratio: 9.18 Passed ⁶	Ratio: 1.77 Failed ⁵	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵
Hex(CBC6CC)	Ratio: 12.36 Passed ⁶	Ratio: 1.32 Failed ⁵	Ratio: 7.72 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 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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