

Converting Colors - WCAG Matrix

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

	Hex(0E0907)	Hex(E9E9E8)	Hex(393634)	Hex(504C4B)	Hex(686463)	Hex(817D7C)	Hex(9B9796)	Hex(B6B2B0)	Hex(D1CDCC)
Hex(0E0907)		Ratio: 16.46 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 9.41 Passed ⁶	Ratio: 12.55 Passed ⁶
Hex(E9E9E8)	Ratio: 16.46 Passed ⁶		Ratio: 9.97 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(393634)	Ratio: 1.65 Failed ⁵	Ratio: 9.97 Passed ⁶		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ² AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶
Hex(504C4B)	Ratio: 2.33 Failed ⁵	Ratio: 7.05 Passed ⁶	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴
Hex(686463)	Ratio: 3.39 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.71 AA 18pt ²
Hex(817D7C)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(9B9796)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 2.40 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(B6B2B0)	Ratio: 9.41 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(D1CDCC)	Ratio: 12.55 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.60 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 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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