

Converting Colors - WCAG Matrix

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

	Hex(D39EAB)	Hex(B78491)	Hex(9C6A77)	Hex(81525E)	Hex(673A47)	Hex(4E2430)	Hex(360E1C)	Hex(240001)	Hex(000000)
Hex(D39EAB)		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 8.60 Passed ⁶	Ratio: 9.25 Passed ⁶
Hex(B78491)	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(9C6A77)	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(81525E)	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.30 AA 18pt ²
Hex(673A47)	Ratio: 4.07 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(4E2430)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(360E1C)	Ratio: 7.48 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(240001)	Ratio: 8.60 Passed ⁶	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 4.41 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 9.25 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.08 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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