

Converting Colors - WCAG Matrix

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

	Hex(E4B6B6)	Hex(C79B9B)	Hex(AC8181)	Hex(916868)	Hex(764F50)	Hex(5D3839)	Hex(442224)	Hex(2D0D0E)	Hex(1E0001)
Hex(E4B6B6)		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.78 Passed ⁶	Ratio: 9.92 Passed ⁶	Ratio: 11.05 Passed ⁶
Hex(C79B9B)	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶	Ratio: 8.14 Passed ⁶
Hex(AC8181)	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 5.88 AA ¹ AAA 18pt ⁴
Hex(916868)	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.15 AA 18pt ²
Hex(764F50)	Ratio: 3.88 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(5D3839)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(442224)	Ratio: 7.78 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(2D0D0E)	Ratio: 9.92 Passed ⁶	Ratio: 7.31 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(1E0001)	Ratio: 11.05 Passed ⁶	Ratio: 8.14 Passed ⁶	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.11 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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