

Converting Colors - WCAG Matrix

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

Hex(E7B1B1) Hex(FFB8B8) Hex(E7CCB1) Hex(736767) Hex(B30000) Hex(330000)

	Hex(E7B1B1)	Hex(FFB8B8)	Hex(E7CCB1)	Hex(736767)	Hex(B30000)	Hex(330000)
Hex(E7B1B1)		Ratio: 1.13 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 9.92 Passed ⁶
Hex(FFB8B8)	Ratio: 1.13 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 11.22 Passed ⁶
Hex(E7CCB1)	Ratio: 1.21 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 3.54 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 11.98 Passed ⁶
Hex(736767)	Ratio: 2.93 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.54 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(B30000)	Ratio: 3.88 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 1.33 Failed ⁵		Ratio: 2.56 Failed ⁵
Hex(330000)	Ratio: 9.92 Passed ⁶	Ratio: 11.22 Passed ⁶	Ratio: 11.98 Passed ⁶	Ratio: 3.39 AA 18pt ²	Ratio: 2.56 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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