

Converting Colors - WCAG Matrix

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

Hex(B59696) Hex(EBBCBC) Hex(B5A596) Hex(595050) Hex(990100) Hex(190000)

	Hex(B59696)	Hex(EBBCBC)	Hex(B5A596)	Hex(595050)	Hex(990100)	Hex(190000)
Hex(B59696)		Ratio: 1.60 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 7.46 Passed ⁶
Hex(EBBCBC)	Ratio: 1.60 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 11.96 Passed ⁶
Hex(B5A596)	Ratio: 1.13 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 3.27 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 8.44 Passed ⁶
Hex(595050)	Ratio: 2.89 Failed ⁵	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²		Ratio: 1.14 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(990100)	Ratio: 3.29 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 1.14 Failed ⁵		Ratio: 2.27 Failed ⁵
Hex(190000)	Ratio: 7.46 Passed ⁶	Ratio: 11.96 Passed ⁶	Ratio: 8.44 Passed ⁶	Ratio: 2.58 Failed ⁵	Ratio: 2.27 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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