

Converting Colors - WCAG Matrix

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

Hex(B5808C) Hex(9A6673) Hex(7F4E5A) Hex(653643) Hex(4C202D) Hex(340918) Hex(FFFFFF)

	Hex(B5808C)	Hex(9A6673)	Hex(7F4E5A)	Hex(653643)	Hex(4C202D)	Hex(340918)	Hex(FFFFFF)
Hex(B5808C)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²
Hex(9A6673)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(7F4E5A)	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 6.69 AA ¹ AAA 18pt ⁴
Hex(653643)	Ratio: 2.97 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 9.71 Passed ⁶
Hex(4C202D)	Ratio: 4.14 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 13.53 Passed ⁶
Hex(340918)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 17.53 Passed ⁶
Hex(FFFFFF)	Ratio: 3.27 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 9.71 Passed ⁶	Ratio: 13.53 Passed ⁶	Ratio: 17.53 Passed ⁶	

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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