

Converting Colors - WCAG Matrix

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

Hex(89716B) Hex(B38D84) Hex(89806B) Hex(453F3E) Hex(851B00) Hex(050100)

	Hex(89716B)	Hex(B38D84)	Hex(89806B)	Hex(453F3E)	Hex(851B00)	Hex(050100)
Hex(89716B)		Ratio: 1.52 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(B38D84)	Ratio: 1.52 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 6.98 AA ¹ AAA 18pt ⁴
Hex(89806B)	Ratio: 1.16 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 2.64 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 5.31 AA ¹ AAA 18pt ⁴
Hex(453F3E)	Ratio: 2.28 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 2.64 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(851B00)	Ratio: 2.15 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 2.13 Failed ⁵
Hex(050100)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.13 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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