

Converting Colors - WCAG Matrix

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

Hex(8E8484) Hex(B8A9A9) Hex(8E8984) Hex(474040) Hex(870000) Hex(080000)

Hex(8E8484)		Ratio: 1.61 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 5.72 AA ¹ AAA 18pt ⁴
Hex(B8A9A9)	Ratio: 1.61 Failed ⁵		Ratio: 1.53 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 9.19 Passed ⁶
Hex(8E8984)	Ratio: 1.05 Failed ⁵	Ratio: 1.53 Failed ⁵		Ratio: 2.92 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 6.00 AA ¹ AAA 18pt ⁴
Hex(474040)	Ratio: 2.79 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 2.92 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(870000)	Ratio: 2.85 Failed ⁵	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 2.99 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 2.01 Failed ⁵
Hex(080000)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 9.19 Passed ⁶	Ratio: 6.00 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 2.01 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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