

Converting Colors - WCAG Matrix

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

Hex(7D646E) Hex(A37C8C) Hex(7B7D64) Hex(40393C) Hex(800035) Hex(000000)

	Hex(7D646E)	Hex(A37C8C)	Hex(7B7D64)	Hex(40393C)	Hex(800035)	Hex(000000)
Hex(7D646E)		Ratio: 1.48 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 3.92 AA 18pt ²
Hex(A37C8C)	Ratio: 1.48 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 5.82 AA ¹ AAA 18pt ⁴
Hex(7B7D64)	Ratio: 1.27 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 2.65 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 4.96 AA ¹ AAA 18pt ⁴
Hex(40393C)	Ratio: 2.10 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 2.65 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(800035)	Ratio: 1.99 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.97 Failed ⁵
Hex(000000)	Ratio: 3.92 AA 18pt ²	Ratio: 5.82 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 1.87 Failed ⁵	Ratio: 1.97 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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