

Converting Colors - WCAG Matrix

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

Hex(7F7E7F) Hex(A6A4A5) Hex(7F7F7E) Hex(403F3F) Hex(7F0022) Hex(000000)

	Hex(7F7E7F)	Hex(A6A4A5)	Hex(7F7F7E)	Hex(403F3F)	Hex(7F0022)	Hex(000000)
Hex(7F7E7F)		Ratio: 1.63 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 5.19 AA ¹ AAA 18pt ⁴
Hex(A6A4A5)	Ratio: 1.63 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 8.47 Passed ⁶
Hex(7F7F7E)	Ratio: 1.01 Failed ⁵	Ratio: 1.62 Failed ⁵		Ratio: 2.62 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 5.24 AA ¹ AAA 18pt ⁴
Hex(403F3F)	Ratio: 2.60 Failed ⁵	Ratio: 4.24 AA 18pt ²	Ratio: 2.62 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(7F0022)	Ratio: 2.70 Failed ⁵	Ratio: 4.40 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.93 Failed ⁵
Hex(000000)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 8.47 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵	Ratio: 1.93 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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