

Converting Colors - WCAG Matrix

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

Hex(7E8180) Hex(A5A8A7) Hex(7E8181) Hex(3E403F) Hex(008040) Hex(FFFFFF)

	Hex(7E8180)	Hex(A5A8A7)	Hex(7E8181)	Hex(3E403F)	Hex(008040)	Hex(FFFFFF)
Hex(7E8180)		Ratio: 1.64 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 3.93 AA 18pt ²
Hex(A5A8A7)	Ratio: 1.64 Failed ⁵		Ratio: 1.64 Failed ⁵	Ratio: 4.36 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(7E8181)	Ratio: 1.00 Failed ⁵	Ratio: 1.64 Failed ⁵		Ratio: 2.66 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 3.93 AA 18pt ²
Hex(3E403F)	Ratio: 2.66 Failed ⁵	Ratio: 4.36 AA 18pt ²	Ratio: 2.66 Failed ⁵		Ratio: 2.07 Failed ⁵	Ratio: 10.45 Passed ⁶
Hex(008040)	Ratio: 1.28 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 2.07 Failed ⁵		Ratio: 5.05 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 3.93 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 10.45 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	

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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