

Converting Colors - WCAG Matrix

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

Hex(008E82) Hex(00B8A8) Hex(00558E) Hex(404747) Hex(00877C) Hex(000807)

	Hex(008E82)	Hex(00B8A8)	Hex(00558E)	Hex(404747)	Hex(00877C)	Hex(000807)
Hex(008E82)		Ratio: 1.62 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 5.00 AA ¹ AAA 18pt ⁴
Hex(00B8A8)	Ratio: 1.62 Failed ⁵		Ratio: 3.13 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 1.77 Failed ⁵	Ratio: 8.11 Passed ⁶
Hex(00558E)	Ratio: 1.93 Failed ⁵	Ratio: 3.13 AA 18pt ²		Ratio: 1.22 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(404747)	Ratio: 2.35 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 1.22 Failed ⁵		Ratio: 2.15 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(00877C)	Ratio: 1.09 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.15 Failed ⁵		Ratio: 4.58 AA ¹ AAA 18pt ⁴
Hex(000807)	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 8.11 Passed ⁶	Ratio: 2.59 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 4.58 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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