

Converting Colors - WCAG Matrix

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

Hex(48858D) Hex(4BABB8) Hex(48648D) Hex(404747) Hex(007787) Hex(000708)

	Hex(48858D)	Hex(4BABB8)	Hex(48648D)	Hex(404747)	Hex(007787)	Hex(000708)
Hex(48858D)		Ratio: 1.56 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(4BABB8)	Ratio: 1.56 Failed ⁵		Ratio: 2.24 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 1.96 Failed ⁵	Ratio: 7.56 Passed ⁶
Hex(48648D)	Ratio: 1.44 Failed ⁵	Ratio: 2.24 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(404747)	Ratio: 2.27 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 1.58 Failed ⁵		Ratio: 1.80 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(007787)	Ratio: 1.26 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.80 Failed ⁵		Ratio: 3.86 AA 18pt ²
Hex(000708)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 3.37 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 3.86 AA 18pt ²	

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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