

Converting Colors - WCAG Matrix

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

Hex(408D9A) Hex(3CB3C7) Hex(40619A) Hex(454B4D) Hex(00788C) Hex(000B0D)

	Hex(408D9A)	Hex(3CB3C7)	Hex(40619A)	Hex(454B4D)	Hex(00788C)	Hex(000B0D)
Hex(408D9A)		Ratio: 1.54 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 5.22 AA ¹ AAA 18pt ⁴
Hex(3CB3C7)	Ratio: 1.54 Failed ⁵		Ratio: 2.49 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 8.03 Passed ⁶
Hex(40619A)	Ratio: 1.62 Failed ⁵	Ratio: 2.49 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(454B4D)	Ratio: 2.32 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.72 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(00788C)	Ratio: 1.35 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.72 Failed ⁵		Ratio: 3.86 AA 18pt ²
Hex(000B0D)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 8.03 Passed ⁶	Ratio: 3.22 AA 18pt ²	Ratio: 2.25 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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