

Converting Colors - WCAG Matrix

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

Hex(141616) Hex(181C1C) Hex(141516) Hex(090A0A) Hex(00454A) Hex(00BCC9)

	Hex(141616)	Hex(181C1C)	Hex(141516)	Hex(090A0A)	Hex(00454A)	Hex(00BCC9)
Hex(141616)		Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 7.82 Passed ⁶
Hex(181C1C)	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 7.40 Passed ⁶
Hex(141516)	Ratio: 1.01 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 7.87 Passed ⁶
Hex(090A0A)	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.84 Failed ⁵	Ratio: 8.53 Passed ⁶
Hex(00454A)	Ratio: 1.69 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.84 Failed ⁵		Ratio: 4.63 AA ¹ AAA 18pt ⁴
Hex(00BCC9)	Ratio: 7.82 Passed ⁶	Ratio: 7.40 Passed ⁶	Ratio: 7.87 Passed ⁶	Ratio: 8.53 Passed ⁶	Ratio: 4.63 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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