

Converting Colors - WCAG Matrix

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

Hex(004A69) Hex(607D8A) Hex(00691E) Hex(2C3E45) Hex(C4C4C4) Hex(454545)

	Hex(004A69)	Hex(607D8A)	Hex(00691E)	Hex(2C3E45)	Hex(C4C4C4)	Hex(454545)
Hex(004A69)		Ratio: 2.20 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵
Hex(607D8A)	Ratio: 2.20 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(00691E)	Ratio: 1.39 Failed ⁵	Ratio: 1.58 Failed ⁵		Ratio: 1.61 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 1.39 Failed ⁵
Hex(2C3E45)	Ratio: 1.16 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.61 Failed ⁵		Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵
Hex(C4C4C4)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 2.51 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 6.40 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(454545)	Ratio: 1.00 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 5.50 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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