

Converting Colors - WCAG Matrix

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

Hex(C3C3C3) Hex(FFFFFF) Hex(616161) Hex(00A1A1) Hex(002121)

	Hex(C3C3C3)	Hex(FFFFFF)	Hex(616161)	Hex(00A1A1)	Hex(002121)
Hex(C3C3C3)		Ratio: 1.76 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 1.80 Failed ⁵	Ratio: 9.61 Passed ⁶
Hex(FFFFFF)	Ratio: 1.76 Failed ⁵		Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 16.94 Passed ⁶
Hex(616161)	Ratio: 3.51 AA 18pt ²	Ratio: 6.19 AA ¹ AAA 18pt ⁴		Ratio: 1.95 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(00A1A1)	Ratio: 1.80 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 1.95 Failed ⁵		Ratio: 5.33 AA ¹ AAA 18pt ⁴
Hex(002121)	Ratio: 9.61 Passed ⁶	Ratio: 16.94 Passed ⁶	Ratio: 2.74 Failed ⁵	Ratio: 5.33 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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