

Converting Colors - WCAG Matrix

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

Hex(474747) **Hex(313131)** **Hex(1C1C1C)** **Hex(010101)** **Hex(FFFFFF)**

Hex(474747)		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 9.29 Passed ⁶
Hex(313131)	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 13.01 Passed ⁶
Hex(1C1C1C)	Ratio: 1.83 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 17.04 Passed ⁶
Hex(010101)	Ratio: 2.25 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 20.87 Passed ⁶
Hex(FFFFFF)	Ratio: 9.29 Passed ⁶	Ratio: 13.01 Passed ⁶	Ratio: 17.04 Passed ⁶	Ratio: 20.87 Passed ⁶	

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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