

Converting Colors - WCAG Matrix

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

Hex(474D4F) Hex(636566) Hex(474F49) Hex(313233) Hex(B3B3B3) Hex(333333)

Hex(474D4F)		Ratio: 1.47 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 1.47 Failed ⁵
Hex(636566)	Ratio: 1.47 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(474F49)	Ratio: 1.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.52 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 1.49 Failed ⁵
Hex(313233)	Ratio: 1.49 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.52 Failed ⁵		Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(B3B3B3)	Ratio: 4.10 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 6.13 AA ¹ AAA 18pt ⁴		Ratio: 6.03 AA ¹ AAA 18pt ⁴
Hex(333333)	Ratio: 1.47 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 6.03 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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