

Converting Colors - WCAG Matrix

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

Hex(666666) Hex(4E4E4E) Hex(373737) Hex(222222) Hex(0C0C0C) Hex(000000)

Hex(666666)		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 3.66 AA 18pt ²
Hex(4E4E4E)	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(373737)	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(222222)	Ratio: 2.77 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(0C0C0C)	Ratio: 3.41 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 3.66 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.07 Failed ⁵	

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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