

Converting Colors - WCAG Matrix

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

Hex(7A7A7A) Hex(616161) Hex(494949) Hex(333333) Hex(1E1E1E) Hex(040404) Hex(000000)

	Hex(7A7A7A)	Hex(616161)	Hex(494949)	Hex(333333)	Hex(1E1E1E)	Hex(040404)	Hex(000000)
Hex(7A7A7A)		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(616161)	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(494949)	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(333333)	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(1E1E1E)	Ratio: 3.88 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(040404)	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.02 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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