

Converting Colors - WCAG Matrix

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

Hex(646464) Hex(7D7D7D) Hex(979797) Hex(B1B1B1) Hex(CDCDCD) Hex(E9E9E9) Hex(FFFFFF)

	Hex(646464)	Hex(7D7D7D)	Hex(979797)	Hex(B1B1B1)	Hex(CDCDCD)	Hex(E9E9E9)	Hex(FFFFFF)
Hex(646464)		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴
Hex(7D7D7D)	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.12 AA 18pt ²
Hex(979797)	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(B1B1B1)	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(CDCDCD)	Ratio: 3.72 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(E9E9E9)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFFFF)	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.21 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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