

Converting Colors - WCAG Matrix

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

	Hex(484848)	Hex(606060)	Hex(787878)	Hex(929292)	Hex(ADADAD)	Hex(C8C8C8)	Hex(E4E4E4)	Hex(FFFFFF)
Hex(484848)		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 9.15 Passed ⁶
Hex(606060)	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴
Hex(787878)	Ratio: 2.07 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.42 AA 18pt ²
Hex(929292)	Ratio: 2.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(ADADAD)	Ratio: 4.08 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(C8C8C8)	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(E4E4E4)	Ratio: 7.19 Passed ⁶	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FFFFFF)	Ratio: 9.15 Passed ⁶	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 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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