

Converting Colors - WCAG Matrix

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

	Hex(E4E4E4)	Hex(FFFFFF)	Hex(808080)	Hex(000000)
Hex(E4E4E4)		Ratio: 1.27 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 16.52 Passed ⁶
Hex(FFFFFF)	Ratio: 1.27 Failed ⁵		Ratio: 3.95 AA 18pt ²	Ratio: 21.00 Passed ⁶
Hex(808080)	Ratio: 3.11 AA 18pt ²	Ratio: 3.95 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(000000)	Ratio: 16.52 Passed ⁶	Ratio: 21.00 Passed ⁶	Ratio: 5.32 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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