

Converting Colors - WCAG Matrix

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

Hex(E4E9E9) Hex(FFFDFC) Hex(E9E9ED) Hex(807E7E) Hex(000000) Hex(808080)

	Hex(E4E9E9)	Hex(FFFDFC)	Hex(E9E9ED)	Hex(807E7E)	Hex(000000)	Hex(808080)
Hex(E4E9E9)		Ratio: 1.18 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 17.58 Passed ⁶	Ratio: 3.31 AA 18pt ²
Hex(FFFDFC)	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 20.71 Passed ⁶	Ratio: 3.89 AA 18pt ²
Hex(E9E9ED)	Ratio: 1.00 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 3.37 AA 18pt ²	Ratio: 17.51 Passed ⁶	Ratio: 3.29 AA 18pt ²
Hex(807E7E)	Ratio: 3.38 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 3.37 AA 18pt ²		Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 17.58 Passed ⁶	Ratio: 20.71 Passed ⁶	Ratio: 17.51 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.31 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 3.29 AA 18pt ²	Ratio: 1.02 Failed ⁵	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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