

Converting Colors - WCAG Matrix

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

Hex(E0E0B0) Hex(FFFFFF0) Hex(E0B0B0) Hex(808077) Hex(000000) Hex(808080)

	Hex(E0E0B0)	Hex(FFFFFF0)	Hex(E0B0B0)	Hex(808077)	Hex(000000)	Hex(808080)
Hex(E0E0B0)		Ratio: 1.35 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 15.46 Passed ⁶	Ratio: 2.91 Failed ⁵
Hex(FFFFFF0)	Ratio: 1.35 Failed ⁵		Ratio: 1.89 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.81 Passed ⁶	Ratio: 3.91 AA 18pt ²
Hex(E0B0B0)	Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵		Ratio: 2.09 Failed ⁵	Ratio: 11.01 Passed ⁶	Ratio: 2.07 Failed ⁵
Hex(808077)	Ratio: 2.93 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.09 Failed ⁵		Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 15.46 Passed ⁶	Ratio: 20.81 Passed ⁶	Ratio: 11.01 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.91 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.01 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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