

Converting Colors - WCAG Matrix

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

Hex(E8E17B) Hex(FFDDB) Hex(E87B82) Hex(807E6A) Hex(000000) Hex(808080)

	Hex(E8E17B)	Hex(FFDDB)	Hex(E87B82)	Hex(807E6A)	Hex(000000)	Hex(808080)
Hex(E8E17B)		Ratio: 1.31 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 15.49 Passed ⁶	Ratio: 2.91 Failed ⁵
Hex(FFDDB)	Ratio: 1.31 Failed ⁵		Ratio: 2.68 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 20.32 Passed ⁶	Ratio: 3.82 AA 18pt ²
Hex(E87B82)	Ratio: 2.04 Failed ⁵	Ratio: 2.68 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 7.59 Passed ⁶	Ratio: 1.43 Failed ⁵
Hex(807E6A)	Ratio: 3.03 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 1.48 Failed ⁵		Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 15.49 Passed ⁶	Ratio: 20.32 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.91 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.43 Failed ⁵	Ratio: 1.04 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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