

Converting Colors - WCAG Matrix

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

Hex(E8B0B0) Hex(FFEBED) Hex(E8B0E8) Hex(807575) Hex(000000) Hex(808080)

	Hex(E8B0B0)	Hex(FFEBED)	Hex(E8B0E8)	Hex(807575)	Hex(000000)	Hex(808080)
Hex(E8B0B0)		Ratio: 1.65 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 11.27 Passed ⁶	Ratio: 2.12 Failed ⁵
Hex(FFEBED)	Ratio: 1.65 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 18.59 Passed ⁶	Ratio: 3.50 AA 18pt ²
Hex(E8B0E8)	Ratio: 1.05 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 2.50 Failed ⁵	Ratio: 11.81 Passed ⁶	Ratio: 2.22 Failed ⁵
Hex(807575)	Ratio: 2.39 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.50 Failed ⁵		Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 11.27 Passed ⁶	Ratio: 18.59 Passed ⁶	Ratio: 11.81 Passed ⁶	Ratio: 4.72 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.12 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.13 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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