

Converting Colors - WCAG Matrix

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

Hex(ECBBB9) Hex(FFF0F0) Hex(ECB9EA) Hex(807777) Hex(000000) Hex(808080)

	Hex(ECBBB9)	Hex(FFF0F0)	Hex(ECB9EA)	Hex(807777)	Hex(000000)	Hex(808080)
Hex(ECBBB9)		Ratio: 1.53 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 12.38 Passed ⁶	Ratio: 2.33 Failed ⁵
Hex(FFF0F0)	Ratio: 1.53 Failed ⁵		Ratio: 1.49 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 18.97 Passed ⁶	Ratio: 3.57 AA 18pt ²
Hex(ECB9EA)	Ratio: 1.03 Failed ⁵	Ratio: 1.49 Failed ⁵		Ratio: 2.63 Failed ⁵	Ratio: 12.69 Passed ⁶	Ratio: 2.39 Failed ⁵
Hex(807777)	Ratio: 2.57 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 2.63 Failed ⁵		Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 12.38 Passed ⁶	Ratio: 18.97 Passed ⁶	Ratio: 12.69 Passed ⁶	Ratio: 4.82 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.33 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.10 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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