

Converting Colors - WCAG Matrix

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

Hex(B6E7B5) Hex(F0FFF0) Hex(E7E5B5) Hex(778077) Hex(000000) Hex(808080)

	Hex(B6E7B5)	Hex(F0FFF0)	Hex(E7E5B5)	Hex(778077)	Hex(000000)	Hex(808080)
Hex(B6E7B5)		Ratio: 1.34 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 15.09 Passed ⁶	Ratio: 2.84 Failed ⁵
Hex(F0FFF0)	Ratio: 1.34 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 20.27 Passed ⁶	Ratio: 3.81 AA 18pt ²
Hex(E7E5B5)	Ratio: 1.08 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 3.17 AA 18pt ²	Ratio: 16.27 Passed ⁶	Ratio: 3.06 AA 18pt ²
Hex(778077)	Ratio: 2.94 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 3.17 AA 18pt ²		Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 15.09 Passed ⁶	Ratio: 20.27 Passed ⁶	Ratio: 16.27 Passed ⁶	Ratio: 5.14 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.84 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 1.03 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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