

Converting Colors - WCAG Matrix

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

Hex(77C6B5) Hex(E0FFF8) Hex(88C677) Hex(6E807C) Hex(000000) Hex(808080)

	Hex(77C6B5)	Hex(E0FFF8)	Hex(88C677)	Hex(6E807C)	Hex(000000)	Hex(808080)
Hex(77C6B5)		Ratio: 1.88 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 10.53 Passed ⁶	Ratio: 1.98 Failed ⁵
Hex(E0FFF8)	Ratio: 1.88 Failed ⁵		Ratio: 1.91 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 19.83 Passed ⁶	Ratio: 3.73 AA 18pt ²
Hex(88C677)	Ratio: 1.01 Failed ⁵	Ratio: 1.91 Failed ⁵		Ratio: 2.06 Failed ⁵	Ratio: 10.39 Passed ⁶	Ratio: 1.95 Failed ⁵
Hex(6E807C)	Ratio: 2.09 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 2.06 Failed ⁵		Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 10.53 Passed ⁶	Ratio: 19.83 Passed ⁶	Ratio: 10.39 Passed ⁶	Ratio: 5.04 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.98 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 1.95 Failed ⁵	Ratio: 1.05 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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