

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(F0E3F5) Hex(FEFAFF) Hex(E3E8F5) Hex(7F7D80) Hex(000000) Hex(808080)

Hex(F0E3F5)		Ratio: 1.20 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 17.01 Passed ⁶	Ratio: 3.20 AA 18pt ²
Hex(FEFAFF)	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.33 Passed ⁶	Ratio: 3.82 AA 18pt ²
Hex(E3E8F5)	Ratio: 1.01 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 3.33 AA 18pt ²	Ratio: 17.13 Passed ⁶	Ratio: 3.22 AA 18pt ²
Hex(7F7D80)	Ratio: 3.30 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 3.33 AA 18pt ²		Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 17.01 Passed ⁶	Ratio: 20.33 Passed ⁶	Ratio: 17.13 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.20 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 3.22 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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