

Converting Colors - WCAG Matrix

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

Hex(E5DEE9) Hex(FEFCFF) Hex(DEE2E9) Hex(7F7E80) Hex(000000) Hex(808080)

	Hex(E5DEE9)	Hex(FEFCFF)	Hex(DEE2E9)	Hex(7F7E80)	Hex(000000)	Hex(808080)
Hex(E5DEE9)		Ratio: 1.29 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 15.96 Passed ⁶	Ratio: 3.00 AA 18pt ²
Hex(FEFCFF)	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 20.58 Passed ⁶	Ratio: 3.87 AA 18pt ²
Hex(DEE2E9)	Ratio: 1.01 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 3.11 AA 18pt ²	Ratio: 16.16 Passed ⁶	Ratio: 3.04 AA 18pt ²
Hex(7F7E80)	Ratio: 3.07 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 3.11 AA 18pt ²		Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 15.96 Passed ⁶	Ratio: 20.58 Passed ⁶	Ratio: 16.16 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.00 AA 18pt ²	Ratio: 3.87 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 1.02 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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