

Converting Colors - WCAG Matrix

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

Hex(E4ADD4) Hex(FFEDFA) Hex(BBADE4) Hex(80757D) Hex(000000) Hex(808080)

	Hex(E4ADD4)	Hex(FFEDFA)	Hex(BBADE4)	Hex(80757D)	Hex(000000)	Hex(808080)
Hex(E4ADD4)		Ratio: 1.67 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 11.23 Passed ⁶	Ratio: 2.11 Failed ⁵
Hex(FFEDFA)	Ratio: 1.67 Failed ⁵		Ratio: 1.84 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 18.75 Passed ⁶	Ratio: 3.53 AA 18pt ²
Hex(BBADE4)	Ratio: 1.10 Failed ⁵	Ratio: 1.84 Failed ⁵		Ratio: 2.15 Failed ⁵	Ratio: 10.21 Passed ⁶	Ratio: 1.92 Failed ⁵
Hex(80757D)	Ratio: 2.36 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.15 Failed ⁵		Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 11.23 Passed ⁶	Ratio: 18.75 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 4.76 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.11 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 1.92 Failed ⁵	Ratio: 1.12 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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