

Converting Colors - WCAG Matrix

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

Hex(E6E0E4) Hex(FFF7FC) Hex(E0E6E5) Hex(736E71) Hex(B30077) Hex(330022)

	Hex(E6E0E4)	Hex(FFF7FC)	Hex(E0E6E5)	Hex(736E71)	Hex(B30077)	Hex(330022)
Hex(E6E0E4)		Ratio: 1.24 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 13.87 Passed ⁶
Hex(FFF7FC)	Ratio: 1.24 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 17.15 Passed ⁶
Hex(E0E6E5)	Ratio: 1.03 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 3.96 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 14.28 Passed ⁶
Hex(736E71)	Ratio: 3.85 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²		Ratio: 1.32 Failed ⁵	Ratio: 3.61 AA 18pt ²
Hex(B30077)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 1.32 Failed ⁵		Ratio: 2.74 Failed ⁵
Hex(330022)	Ratio: 13.87 Passed ⁶	Ratio: 17.15 Passed ⁶	Ratio: 14.28 Passed ⁶	Ratio: 3.61 AA 18pt ²	Ratio: 2.74 Failed ⁵	

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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