

Converting Colors - WCAG Matrix

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

Hex(FFE6E5) Hex(FFE0E0) Hex(FFF2E5) Hex(807373) Hex(BF0000) Hex(400000)

	Hex(FFE6E5)	Hex(FFE0E0)	Hex(FFF2E5)	Hex(807373)	Hex(BF0000)	Hex(400000)
Hex(FFE6E5)		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 14.53 Passed ⁶
Hex(FFE0E0)	Ratio: 1.04 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 13.95 Passed ⁶
Hex(FFF2E5)	Ratio: 1.08 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 4.13 AA 18pt ²	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 15.67 Passed ⁶
Hex(807373)	Ratio: 3.83 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 4.13 AA 18pt ²		Ratio: 1.44 Failed ⁵	Ratio: 3.79 AA 18pt ²
Hex(BF0000)	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 2.64 Failed ⁵
Hex(400000)	Ratio: 14.53 Passed ⁶	Ratio: 13.95 Passed ⁶	Ratio: 15.67 Passed ⁶	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 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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