

Converting Colors - WCAG Matrix

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

Hex(E40000) Hex(FFB3B3) Hex(E400E4) Hex(805252) Hex(000000) Hex(808080)

	Hex(E40000)	Hex(FFB3B3)	Hex(E400E4)	Hex(805252)	Hex(000000)	Hex(808080)
Hex(E40000)		Ratio: 2.87 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 4.30 AA 18pt ²	Ratio: 1.24 Failed ⁵
Hex(FFB3B3)	Ratio: 2.87 Failed ⁵		Ratio: 2.28 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 12.35 Passed ⁶	Ratio: 2.32 Failed ⁵
Hex(E400E4)	Ratio: 1.26 Failed ⁵	Ratio: 2.28 Failed ⁵		Ratio: 1.67 Failed ⁵	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(805252)	Ratio: 1.32 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 1.67 Failed ⁵		Ratio: 3.25 AA 18pt ²	Ratio: 1.64 Failed ⁵
Hex(000000)	Ratio: 4.30 AA 18pt ²	Ratio: 12.35 Passed ⁶	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.24 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.64 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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