

Converting Colors - WCAG Matrix

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

Hex(E65B40) Hex(FFD0C7) Hex(E640CD) Hex(80645E) Hex(000000) Hex(808080)

	Hex(E65B40)	Hex(FFD0C7)	Hex(E640CD)	Hex(80645E)	Hex(000000)	Hex(808080)
Hex(E65B40)		Ratio: 2.54 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(FFD0C7)	Ratio: 2.54 Failed ⁵		Ratio: 2.53 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 15.10 Passed ⁶	Ratio: 2.84 Failed ⁵
Hex(E640CD)	Ratio: 1.01 Failed ⁵	Ratio: 2.53 Failed ⁵		Ratio: 1.53 Failed ⁵	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(80645E)	Ratio: 1.52 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.53 Failed ⁵		Ratio: 3.90 AA 18pt ²	Ratio: 1.36 Failed ⁵
Hex(000000)	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 15.10 Passed ⁶	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.12 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.36 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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