

Converting Colors - WCAG Matrix

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

Hex(685946) Hex(87817A) Hex(684655) Hex(45413D) Hex(C4C4C4) Hex(454545)

	Hex(685946)	Hex(87817A)	Hex(684655)	Hex(45413D)	Hex(C4C4C4)	Hex(454545)
Hex(685946)		Ratio: 1.76 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 1.42 Failed ⁵
Hex(87817A)	Ratio: 1.76 Failed ⁵		Ratio: 2.10 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(684655)	Ratio: 1.20 Failed ⁵	Ratio: 2.10 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵
Hex(45413D)	Ratio: 1.50 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(C4C4C4)	Ratio: 3.88 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(454545)	Ratio: 1.42 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 5.50 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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