

Converting Colors - WCAG Matrix

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

Hex(646854) Hex(86877F) Hex(685854) Hex(444540) Hex(C4C4C4) Hex(454545)

	Hex(646854)	Hex(86877F)	Hex(685854)	Hex(444540)	Hex(C4C4C4)	Hex(454545)
Hex(646854)		Ratio: 1.59 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 1.67 Failed ⁵
Hex(86877F)	Ratio: 1.59 Failed ⁵		Ratio: 1.86 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(685854)	Ratio: 1.17 Failed ⁵	Ratio: 1.86 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.42 Failed ⁵
Hex(444540)	Ratio: 1.68 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(C4C4C4)	Ratio: 3.30 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(454545)	Ratio: 1.67 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.01 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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