

Converting Colors - WCAG Matrix

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

Hex(434456) Hex(686970) Hex(435654) Hex(343438) Hex(B8B8B8) Hex(383838)

	Hex(434456)	Hex(686970)	Hex(435654)	Hex(343438)	Hex(B8B8B8)	Hex(383838)
Hex(434456)		Ratio: 1.75 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 1.23 Failed ⁵
Hex(686970)	Ratio: 1.75 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(435654)	Ratio: 1.23 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.59 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 1.51 Failed ⁵
Hex(343438)	Ratio: 1.30 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.59 Failed ⁵		Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(B8B8B8)	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 2.75 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 6.25 AA ¹ AAA 18pt ⁴		Ratio: 5.91 AA ¹ AAA 18pt ⁴
Hex(383838)	Ratio: 1.23 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 5.91 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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