

Converting Colors - WCAG Matrix

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

Hex(234040) Hex(485454) Hex(234023) Hex(242B2B) Hex(ABABAB) Hex(2B2B2B)

	Hex(234040)	Hex(485454)	Hex(234023)	Hex(242B2B)	Hex(ABABAB)	Hex(2B2B2B)
Hex(234040)		Ratio: 1.42 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵
Hex(485454)	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 1.80 Failed ⁵
Hex(234023)	Ratio: 1.03 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 1.23 Failed ⁵
Hex(242B2B)	Ratio: 1.29 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(ABABAB)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.27 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 6.17 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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