

Converting Colors - WCAG Matrix

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

Hex(304343) Hex(4F5757) Hex(304330) Hex(272B2B) Hex(ABABAB) Hex(2B2B2B)

	Hex(304343)	Hex(4F5757)	Hex(304330)	Hex(272B2B)	Hex(ABABAB)	Hex(2B2B2B)
Hex(304343)		Ratio: 1.41 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 1.35 Failed ⁵
Hex(4F5757)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 1.91 Failed ⁵
Hex(304330)	Ratio: 1.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 1.33 Failed ⁵
Hex(272B2B)	Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(ABABAB)	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.35 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.01 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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