

Converting Colors - WCAG Matrix

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

Hex(42342E) Hex(57514F) Hex(422E3D) Hex(2B2827) Hex(ABABAB) Hex(2B2B2B)

	Hex(42342E)	Hex(57514F)	Hex(422E3D)	Hex(2B2827)	Hex(ABABAB)	Hex(2B2B2B)
Hex(42342E)		Ratio: 1.53 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵
Hex(57514F)	Ratio: 1.53 Failed ⁵		Ratio: 1.59 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 1.82 Failed ⁵
Hex(422E3D)	Ratio: 1.04 Failed ⁵	Ratio: 1.59 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(2B2827)	Ratio: 1.23 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(ABABAB)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 6.37 AA ¹ AAA 18pt ⁴		Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(2B2B2B)	Ratio: 1.19 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.03 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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