

Converting Colors - WCAG Matrix

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

Hex(49292A) Hex(5E5252) Hex(482949) Hex(302929) Hex(B0B0B0) Hex(303030)

	Hex(49292A)	Hex(5E5252)	Hex(482949)	Hex(302929)	Hex(B0B0B0)	Hex(303030)
Hex(49292A)		Ratio: 1.72 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(5E5252)	Ratio: 1.72 Failed ⁵		Ratio: 1.66 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 1.76 Failed ⁵
Hex(482949)	Ratio: 1.03 Failed ⁵	Ratio: 1.66 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(302929)	Ratio: 1.11 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(B0B0B0)	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴		Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(303030)	Ratio: 1.03 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 6.09 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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