

Converting Colors - WCAG Matrix

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

Hex(184949) Hex(4B5E5E) Hex(184918) Hex(253030) Hex(B0B0B0) Hex(303030)

	Hex(184949)	Hex(4B5E5E)	Hex(184918)	Hex(253030)	Hex(B0B0B0)	Hex(303030)
Hex(184949)		Ratio: 1.47 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 1.31 Failed ⁵
Hex(4B5E5E)	Ratio: 1.47 Failed ⁵		Ratio: 1.53 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 1.92 Failed ⁵
Hex(184918)	Ratio: 1.04 Failed ⁵	Ratio: 1.53 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 1.26 Failed ⁵
Hex(253030)	Ratio: 1.35 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(B0B0B0)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴		Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(303030)	Ratio: 1.31 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.03 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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