

Converting Colors - WCAG Matrix

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

Hex(301818) Hex(3D3434) Hex(301830) Hex(1F1919) Hex(9E9E9E) Hex(1F1F1F)

	Hex(301818)	Hex(3D3434)	Hex(301830)	Hex(1F1919)	Hex(9E9E9E)	Hex(1F1F1F)
Hex(301818)		Ratio: 1.37 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵
Hex(3D3434)	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 1.37 Failed ⁵
Hex(301830)	Ratio: 1.02 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(1F1919)	Ratio: 1.05 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(9E9E9E)	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 6.47 AA ¹ AAA 18pt ⁴		Ratio: 6.15 AA ¹ AAA 18pt ⁴
Hex(1F1F1F)	Ratio: 1.00 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 6.15 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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