

Converting Colors - WCAG Matrix

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

Hex(120000) Hex(170F0F) Hex(120012) Hex(0D0808) Hex(8C8C8C) Hex(0D0D0D)

	Hex(120000)	Hex(170F0F)	Hex(120012)	Hex(0D0808)	Hex(8C8C8C)	Hex(0D0D0D)
Hex(120000)		Ratio: 1.08 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(170F0F)	Ratio: 1.08 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(120012)	Ratio: 1.01 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(0D0808)	Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(8C8C8C)	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 5.92 AA ¹ AAA 18pt ⁴		Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(0D0D0D)	Ratio: 1.05 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 5.78 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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