

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(230000) Hex(2E2020) Hex(230023) Hex(170F0F) Hex(969696) Hex(171717)

	Hex(230000)	Hex(2E2020)	Hex(230023)	Hex(170F0F)	Hex(969696)	Hex(171717)
Hex(230000)		Ratio: 1.25 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(2E2020)	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(230023)	Ratio: 1.02 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(170F0F)	Ratio: 1.04 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(969696)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 6.39 AA ¹ AAA 18pt ⁴		Ratio: 6.06 AA ¹ AAA 18pt ⁴
Hex(171717)	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 6.06 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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