

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(2D2430) Hex(3E3B40) Hex(242730) Hex(201E21) Hex(A1A1A1) Hex(212121)

	Hex(2D2430)	Hex(3E3B40)	Hex(242730)	Hex(201E21)	Hex(A1A1A1)	Hex(212121)
Hex(2D2430)		Ratio: 1.35 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(3E3B40)	Ratio: 1.35 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 4.27 AA 18pt ²	Ratio: 1.46 Failed ⁵
Hex(242730)	Ratio: 1.00 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(201E21)	Ratio: 1.11 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(A1A1A1)	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.08 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 6.23 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.