

Converting Colors - WCAG Matrix

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

Hex(00302C) Hex(2D403E) Hex(053000) Hex(152120) Hex(A1A1A1) Hex(212121)

	Hex(00302C)	Hex(2D403E)	Hex(053000)	Hex(152120)	Hex(A1A1A1)	Hex(212121)
Hex(00302C)		Ratio: 1.31 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 1.12 Failed ⁵
Hex(2D403E)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 4.25 AA 18pt ²	Ratio: 1.47 Failed ⁵
Hex(053000)	Ratio: 1.02 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(152120)	Ratio: 1.15 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(A1A1A1)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.12 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.10 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.

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