

Converting Colors - WCAG Matrix

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

Hex(002930) Hex(2D3D40) Hex(003007) Hex(151F21) Hex(A1A1A1) Hex(212121)

	Hex(002930)	Hex(2D3D40)	Hex(003007)	Hex(151F21)	Hex(A1A1A1)	Hex(212121)
Hex(002930)		Ratio: 1.36 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(2D3D40)	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 4.39 AA 18pt ²	Ratio: 1.42 Failed ⁵
Hex(003007)	Ratio: 1.05 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(151F21)	Ratio: 1.09 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(A1A1A1)	Ratio: 5.98 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴		Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(212121)	Ratio: 1.04 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 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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