

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(FF1A21) Hex(FF0009) Hex(1A98FF) Hex(807373) Hex(BF0006) Hex(400002)

Hex(FF1A21)		Ratio: 1.03 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.68 Failed ⁵ AA 18pt ²
Hex(FF0009)	Ratio: 1.03 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.63 Failed ⁵ AA 18pt ²
Hex(1A98FF)	Ratio: 1.29 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.51 Failed ⁵	Ratio: 2.17 Failed ⁵ AA ¹ AAA 18pt ⁴
Hex(807373)	Ratio: 1.17 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.51 Failed ⁵		Ratio: 1.43 Failed ⁵ AA 18pt ²
Hex(BF0006)	Ratio: 1.68 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(400002)	Ratio: 4.45 AA 18pt ²	Ratio: 4.31 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 Failed ⁵

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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