

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(FF555C) Hex(FF333B) Hex(55B3FF) Hex(807373) Hex(BF0008) Hex(400003)

Hex(FF555C)		Ratio: 1.16 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(FF333B)	Ratio: 1.16 Failed ⁵		Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(55B3FF)	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵		Ratio: 2.01 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 7.61 Passed ⁶
Hex(807373)	Ratio: 1.45 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 2.01 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 3.79 AA 18pt ²
Hex(BF0008)	Ratio: 2.08 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 2.64 Failed ⁵
Hex(400003)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	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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