

Converting Colors - WCAG Matrix

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

Hex(B6B5C7) Hex(E5E3FF) Hex(BFB5C7) Hex(5A5A63) Hex(0900A3) Hex(020024)

	Hex(B6B5C7)	Hex(E5E3FF)	Hex(BFB5C7)	Hex(5A5A63)	Hex(0900A3)	Hex(020024)
Hex(B6B5C7)		Ratio: 1.61 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 10.14 Passed ⁶
Hex(E5E3FF)	Ratio: 1.61 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 10.88 Passed ⁶	Ratio: 16.31 Passed ⁶
Hex(BFB5C7)	Ratio: 1.02 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 3.46 AA 18pt ²	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 10.36 Passed ⁶
Hex(5A5A63)	Ratio: 3.39 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²		Ratio: 2.00 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(0900A3)	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 10.88 Passed ⁶	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵		Ratio: 1.50 Failed ⁵
Hex(020024)	Ratio: 10.14 Passed ⁶	Ratio: 16.31 Passed ⁶	Ratio: 10.36 Passed ⁶	Ratio: 2.99 Failed ⁵	Ratio: 1.50 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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