

Converting Colors - WCAG Matrix

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

Hex(804B78) Hex(A65399) Hex(4B806D) Hex(40393F) Hex(80006C) Hex(000000)

	Hex(804B78)	Hex(A65399)	Hex(4B806D)	Hex(40393F)	Hex(80006C)	Hex(000000)
Hex(804B78)		Ratio: 1.35 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(A65399)	Ratio: 1.35 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 4.32 AA 18pt ²
Hex(4B806D)	Ratio: 1.44 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 2.46 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(40393F)	Ratio: 1.70 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.46 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(80006C)	Ratio: 1.50 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 2.13 Failed ⁵
Hex(000000)	Ratio: 3.20 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 1.88 Failed ⁵	Ratio: 2.13 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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