

Converting Colors - WCAG Matrix

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

Hex(6B6499) Hex(7E73C7) Hex(856499) Hex(46454D) Hex(13008C) Hex(02000D)

	Hex(6B6499)	Hex(7E73C7)	Hex(856499)	Hex(46454D)	Hex(13008C)	Hex(02000D)
Hex(6B6499)		Ratio: 1.32 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.88 AA 18pt ²
Hex(7E73C7)	Ratio: 1.32 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴
Hex(856499)	Ratio: 1.10 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.93 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(46454D)	Ratio: 1.76 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.93 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(13008C)	Ratio: 2.78 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 1.58 Failed ⁵		Ratio: 1.39 Failed ⁵
Hex(02000D)	Ratio: 3.88 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.39 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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