

Converting Colors - WCAG Matrix

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

Hex(000099) Hex(8B8BC7) Hex(009999) Hex(404063) Hex(E3E3E3) Hex(636363)

	Hex(000099)	Hex(8B8BC7)	Hex(009999)	Hex(404063)	Hex(E3E3E3)	Hex(636363)
Hex(000099)		Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 1.46 Failed ⁵	Ratio: 11.21 Passed ⁶	Ratio: 2.39 Failed ⁵
Hex(8B8BC7)	Ratio: 4.53 AA ¹ AAA 18pt ⁴		Ratio: 1.10 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(009999)	Ratio: 4.12 AA 18pt ²	Ratio: 1.10 Failed ⁵		Ratio: 2.82 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(404063)	Ratio: 1.46 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 2.82 Failed ⁵		Ratio: 7.68 Passed ⁶	Ratio: 1.64 Failed ⁵
Hex(E3E3E3)	Ratio: 11.21 Passed ⁶	Ratio: 2.47 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 7.68 Passed ⁶		Ratio: 4.68 AA ¹ AAA 18pt ⁴
Hex(636363)	Ratio: 2.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 4.68 AA ¹ AAA 18pt ⁴	

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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