

Converting Colors - WCAG Matrix

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

Hex(42295F) Hex(72687D) Hex(29465F) Hex(393340) Hex(BFBFBF) Hex(404040)

	Hex(42295F)	Hex(72687D)	Hex(29465F)	Hex(393340)	Hex(BFBFBF)	Hex(404040)
Hex(42295F)		Ratio: 2.33 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵
Hex(72687D)	Ratio: 2.33 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(29465F)	Ratio: 1.25 Failed ⁵	Ratio: 1.87 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(393340)	Ratio: 1.00 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵
Hex(BFBFBF)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 2.86 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴		Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(404040)	Ratio: 1.18 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 5.64 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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