

Converting Colors - WCAG Matrix

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

Hex(456E78) Hex(87989C) Hex(45784E) Hex(424D4F) Hex(CFCFCF) Hex(4F4F4F)

	Hex(456E78)	Hex(87989C)	Hex(45784E)	Hex(424D4F)	Hex(CFCFCF)	Hex(4F4F4F)
Hex(456E78)		Ratio: 1.86 Failed⁵	Ratio: 1.08 Failed⁵	Ratio: 1.56 Failed⁵	Ratio: 3.59 AA 18pt²	Ratio: 1.46 Failed⁵
Hex(87989C)	Ratio: 1.86 Failed⁵		Ratio: 1.73 Failed⁵	Ratio: 2.91 Failed⁵	Ratio: 1.93 Failed⁵	Ratio: 2.73 Failed⁵
Hex(45784E)	Ratio: 1.08 Failed⁵	Ratio: 1.73 Failed⁵		Ratio: 1.68 Failed⁵	Ratio: 3.33 AA 18pt²	Ratio: 1.58 Failed⁵
Hex(424D4F)	Ratio: 1.56 Failed⁵	Ratio: 2.91 Failed⁵	Ratio: 1.68 Failed⁵		Ratio: 5.60 AA¹ AAA 18pt⁴	Ratio: 1.07 Failed⁵
Hex(CFCFCF)	Ratio: 3.59 AA 18pt²	Ratio: 1.93 Failed⁵	Ratio: 3.33 AA 18pt²	Ratio: 5.60 AA¹ AAA 18pt⁴		Ratio: 5.26 AA¹ AAA 18pt⁴
Hex(4F4F4F)	Ratio: 1.46 Failed⁵	Ratio: 2.73 Failed⁵	Ratio: 1.58 Failed⁵	Ratio: 1.07 Failed⁵	Ratio: 5.26 AA¹ AAA 18pt⁴	

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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