

Converting Colors - WCAG Matrix

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

Hex(53565C) Hex(FFFFFF) Hex(84878E) Hex(9EA1A8) Hex(B9BCC4) Hex(D5D8DF) Hex(F1F5FC)

	Hex(53565C)	Hex(FFFFFF)	Hex(84878E)	Hex(9EA1A8)	Hex(B9BCC4)	Hex(D5D8DF)	Hex(F1F5FC)
Hex(53565C)		Ratio: 7.36 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.36 Passed ⁶		Ratio: 3.60 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(84878E)	Ratio: 2.05 Failed ⁵	Ratio: 3.60 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(9EA1A8)	Ratio: 2.84 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(B9BCC4)	Ratio: 3.87 AA 18pt ²	Ratio: 1.90 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(D5D8DF)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(F1F5FC)	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 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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