

Converting Colors - WCAG Matrix

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

	Hex(13172A)	Hex(F7F8FF)	Hex(3F4158)	Hex(575870)	Hex(6F718A)	Hex(898AA4)	Hex(A3A5BF)	Hex(BEC0DB)	Hex(DADBF7)
Hex(13172A)		Ratio: 16.75 Passed ⁶	Ratio: 1.78 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 13.06 Passed ⁶
Hex(F7F8FF)	Ratio: 16.75 Passed ⁶		Ratio: 9.40 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(3F4158)	Ratio: 1.78 Failed ⁵	Ratio: 9.40 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶
Hex(575870)	Ratio: 2.56 Failed ⁵	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(6F718A)	Ratio: 3.72 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(898AA4)	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(A3A5BF)	Ratio: 7.34 Passed ⁶	Ratio: 2.28 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(BEC0DB)	Ratio: 9.93 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(DADBF7)	Ratio: 13.06 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 7.33 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 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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