

Converting Colors - WCAG Matrix

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

Hex(393152) Hex(FFFFFF) Hex(695F84) Hex(82779E) Hex(9D91B9) Hex(B8ACD4) Hex(D4C7F1) Hex(F0E3FF)

	Hex(393152)	Hex(FFFFFF)	Hex(695F84)	Hex(82779E)	Hex(9D91B9)	Hex(B8ACD4)	Hex(D4C7F1)	Hex(F0E3FF)
Hex(393152)		Ratio: 12.10 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 9.88 Passed ⁶
Hex(FFFFFF)	Ratio: 12.10 Passed ⁶		Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(695F84)	Ratio: 2.06 Failed ⁵	Ratio: 5.88 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(82779E)	Ratio: 2.93 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(9D91B9)	Ratio: 4.14 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(B8ACD4)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(D4C7F1)	Ratio: 7.63 Passed ⁶	Ratio: 1.59 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(F0E3FF)	Ratio: 9.88 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.29 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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