

Converting Colors - WCAG Matrix

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

	Hex(1B0023)	Hex(FFE1FF)	Hex(452E4F)	Hex(5D4567)	Hex(765C80)	Hex(90759A)	Hex(AB8FB5)	Hex(C6AAD1)	Hex(E2C5ED)
Hex(1B0023)		Ratio: 16.31 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 9.41 Passed ⁶	Ratio: 12.55 Passed ⁶
Hex(FFE1FF)	Ratio: 16.31 Passed ⁶		Ratio: 9.94 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(452E4F)	Ratio: 1.64 Failed ⁵	Ratio: 9.94 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.17 AA 18pt ² AAA 18pt ⁴	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶
Hex(5D4567)	Ratio: 2.35 Failed ⁵	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴
Hex(765C80)	Ratio: 3.37 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.72 AA 18pt ²
Hex(90759A)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(AB8FB5)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 2.38 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(C6AAD1)	Ratio: 9.41 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(E2C5ED)	Ratio: 12.55 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.65 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 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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