

Converting Colors - WCAG Matrix

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

	Hex(19002E)	Hex(FFE1FF)	Hex(452E5C)	Hex(5D4575)	Hex(765D8F)	Hex(9075A9)	Hex(AB8FC5)	Hex(C7AAE1)	Hex(E3C5FD)
Hex(19002E)		Ratio: 16.16 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 9.50 Passed ⁶	Ratio: 12.65 Passed ⁶
Hex(FFE1FF)	Ratio: 16.16 Passed ⁶		Ratio: 9.71 Passed ⁶	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(452E5C)	Ratio: 1.66 Failed ⁵	Ratio: 9.71 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶
Hex(5D4575)	Ratio: 2.38 Failed ⁵	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴
Hex(765D8F)	Ratio: 3.45 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.66 AA 18pt ²
Hex(9075A9)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(AB8FC5)	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 2.34 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(C7AAE1)	Ratio: 9.50 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(E3C5FD)	Ratio: 12.65 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 7.60 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.58 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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