

Converting Colors - WCAG Matrix

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

	Hex(21021D)	Hex(FFE3FF)	Hex(4D3048)	Hex(654660)	Hex(7F5E79)	Hex(997793)	Hex(B491AD)	Hex(CFACC9)	Hex(ECC7E5)
Hex(21021D)		Ratio: 16.21 Passed ⁶	Ratio: 1.68 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 9.53 Passed ⁶	Ratio: 12.71 Passed ⁶
Hex(FFE3FF)	Ratio: 16.21 Passed ⁶		Ratio: 9.65 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(4D3048)	Ratio: 1.68 Failed ⁵	Ratio: 9.65 Passed ⁶		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ² AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶
Hex(654660)	Ratio: 2.38 Failed ⁵	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴
Hex(7F5E79)	Ratio: 3.46 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.67 AA 18pt ²
Hex(997793)	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(B491AD)	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 2.33 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(CFACC9)	Ratio: 9.53 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(ECC7E5)	Ratio: 12.71 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 7.57 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.56 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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