

Converting Colors - WCAG Matrix

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

	Hex(1C0033)	Hex(FFE1FF)	Hex(4A2D62)	Hex(62447B)	Hex(7C5C95)	Hex(9675B0)	Hex(B18FCB)	Hex(CDA9E8)	Hex(E9C5FF)
Hex(1C0033)		Ratio: 15.92 Passed ⁶	Ratio: 1.68 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 9.51 Passed ⁶	Ratio: 12.66 Passed ⁶
Hex(FFE1FF)	Ratio: 15.92 Passed ⁶		Ratio: 9.48 Passed ⁶	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(4A2D62)	Ratio: 1.68 Failed ⁵	Ratio: 9.48 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶
Hex(62447B)	Ratio: 2.40 Failed ⁵	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴
Hex(7C5C95)	Ratio: 3.48 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.64 AA 18pt ²
Hex(9675B0)	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(B18FCB)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 2.28 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(CDA9E8)	Ratio: 9.51 Passed ⁶	Ratio: 1.67 Failed ⁵	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(E9C5FF)	Ratio: 12.66 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 7.54 Passed ⁶	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.81 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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