

Converting Colors - WCAG Matrix

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

	Hex(040E63)	Hex(FFF0FF)	Hex(483997)	Hex(6451B2)	Hex(7F69CE)	Hex(9B83EA)	Hex(B79DFF)	Hex(D4B8FF)	Hex(F1D4FF)
Hex(040E63)		Ratio: 15.35 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.43 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 12.50 Passed ⁶
Hex(FFF0FF)	Ratio: 15.35 Passed ⁶		Ratio: 8.30 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(483997)	Ratio: 1.85 Failed ⁵	Ratio: 8.30 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴
Hex(6451B2)	Ratio: 2.69 Failed ⁵	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(7F69CE)	Ratio: 3.86 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(9B83EA)	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 2.81 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(B79DFF)	Ratio: 7.43 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(D4B8FF)	Ratio: 9.69 Passed ⁶	Ratio: 1.58 Failed ⁵	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(F1D4FF)	Ratio: 12.50 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.68 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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