

Converting Colors - WCAG Matrix

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

	Hex(08087F)	Hex(FFF2FF)	Hex(5438B5)	Hex(7151D1)	Hex(8E6AEE)	Hex(AB83FF)	Hex(C89EFF)	Hex(E6B9FF)	Hex(FFD5FF)
Hex(08087F)		Ratio: 14.35 Passed ⁶	Ratio: 1.93 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶	Ratio: 9.43 Passed ⁶	Ratio: 12.00 Passed ⁶
Hex(FFF2FF)	Ratio: 14.35 Passed ⁶		Ratio: 7.43 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(5438B5)	Ratio: 1.93 Failed ⁵	Ratio: 7.43 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴
Hex(7151D1)	Ratio: 2.81 Failed ⁵	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(8E6AEE)	Ratio: 4.03 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(AB83FF)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 2.61 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(C89EFF)	Ratio: 7.24 Passed ⁶	Ratio: 1.98 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(E6B9FF)	Ratio: 9.43 Passed ⁶	Ratio: 1.52 Failed ⁵	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.35 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FFD5FF)	Ratio: 12.00 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 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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