

Converting Colors - WCAG Matrix

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

	Hex(5D00A4)	Hex(FFFFFF)	Hex(9744DC)	Hex(B45FF9)	Hex(D17AFF)	Hex(EF95FF)	Hex(FFB1FF)	Hex(FFCEFF)	Hex(FFEBFF)
Hex(5D00A4)		Ratio: 10.49 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 9.28 Passed ⁶
Hex(FFFFFF)	Ratio: 10.49 Passed ⁶		Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(9744DC)	Ratio: 2.09 Failed ⁵	Ratio: 5.03 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(B45FF9)	Ratio: 2.97 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(D17AFF)	Ratio: 3.97 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(EF95FF)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 2.02 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(FFB1FF)	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 1.62 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFCEFF)	Ratio: 7.76 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFEBFF)	Ratio: 9.28 Passed ⁶	Ratio: 1.13 Failed ⁵	Ratio: 4.45 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 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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