

Converting Colors - WCAG Matrix

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

	Hex(531D67)	Hex(FFFFFF)	Hex(874E9B)	Hex(A267B6)	Hex(BE81D1)	Hex(DA9BEE)	Hex(F7B7FF)	Hex(FFD3FF)	Hex(FFEEFF)
Hex(531D67)		Ratio: 12.07 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 10.95 Passed ⁶
Hex(FFFFFF)	Ratio: 12.07 Passed ⁶		Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(874E9B)	Ratio: 2.07 Failed ⁵	Ratio: 5.84 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴
Hex(A267B6)	Ratio: 2.96 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(BE81D1)	Ratio: 4.17 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(DA9BEE)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(F7B7FF)	Ratio: 7.57 Passed ⁶	Ratio: 1.59 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFD3FF)	Ratio: 9.21 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 4.46 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFEEFF)	Ratio: 10.95 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 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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