

Converting Colors - WCAG Matrix

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

	Hex(3E155F)	Hex(FFFFFF)	Hex(714492)	Hex(8C5DAD)	Hex(A776C9)	Hex(C390E5)	Hex(DFABFF)	Hex(FCC7FF)	Hex(FFE3FF)
Hex(3E155F)		Ratio: 14.21 Passed ⁶	Ratio: 1.99 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.99 Passed ⁶	Ratio: 11.97 Passed ⁶
Hex(FFFFFF)	Ratio: 14.21 Passed ⁶		Ratio: 7.13 Passed ⁶	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(714492)	Ratio: 1.99 Failed ⁵	Ratio: 7.13 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(8C5DAD)	Ratio: 2.90 Failed ⁵	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(A776C9)	Ratio: 4.11 AA 18pt ²	Ratio: 3.46 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(C390E5)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.49 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(DFABFF)	Ratio: 7.72 Passed ⁶	Ratio: 1.84 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FCC7FF)	Ratio: 9.99 Passed ⁶	Ratio: 1.42 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE3FF)	Ratio: 11.97 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.55 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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