

Converting Colors - WCAG Matrix

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

	Hex(401A37)	Hex(FFF0FF)	Hex(714766)	Hex(8B5F7F)	Hex(A67899)	Hex(C192B4)	Hex(DDADCF)	Hex(FAC9EC)	Hex(FFE5FF)
Hex(401A37)		Ratio: 13.48 Passed ⁶	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.30 Passed ⁶	Ratio: 12.60 Passed ⁶
Hex(FFF0FF)	Ratio: 13.48 Passed ⁶		Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(714766)	Ratio: 1.97 Failed ⁵	Ratio: 6.85 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(8B5F7F)	Ratio: 2.84 Failed ⁵	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(A67899)	Ratio: 4.06 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.10 AA 18pt ²
Hex(C192B4)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 2.38 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(DDADCF)	Ratio: 7.71 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(FAC9EC)	Ratio: 10.30 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE5FF)	Ratio: 12.60 Passed ⁶	Ratio: 1.07 Failed ⁵	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.22 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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