

Converting Colors - WCAG Matrix

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

Hex(754475) Hex(FFFFFF) Hex(AA76A9) Hex(C690C5) Hex(E2AAE1) Hex(FFC6FD) Hex(FFE2FF)

	Hex(754475)	Hex(FFFFFF)	Hex(AA76A9)	Hex(C690C5)	Hex(E2AAE1)	Hex(FFC6FD)	Hex(FFE2FF)
Hex(754475)		Ratio: 7.39 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.19 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.39 Passed ⁶		Ratio: 3.58 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(AA76A9)	Ratio: 2.07 Failed ⁵	Ratio: 3.58 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(C690C5)	Ratio: 2.89 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(E2AAE1)	Ratio: 3.90 AA 18pt ²	Ratio: 1.90 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(FFC6FD)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 1.42 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFE2FF)	Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.59 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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