

Converting Colors - WCAG Matrix

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

	Hex(7A4A6E)	Hex(FFFFFF)	Hex(B07DA1)	Hex(CC96BD)	Hex(E8B0D9)	Hex(FFCCF5)	Hex(FFE8FF)
Hex(7A4A6E)		Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.93 AA ¹ AAA 18pt ⁴		Ratio: 3.34 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(B07DA1)	Ratio: 2.08 Failed ⁵	Ratio: 3.34 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(CC96BD)	Ratio: 2.86 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(E8B0D9)	Ratio: 3.84 AA 18pt ²	Ratio: 1.80 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(FFCCF5)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 1.38 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE8FF)	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.57 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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