

Converting Colors - WCAG Matrix

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

	Hex(7E2677)	Hex(FFFFFF)	Hex(B55BAC)	Hex(D275C7)	Hex(EF90E3)	Hex(FFACFF)	Hex(FFC8FF)	Hex(FFE4FF)
Hex(7E2677)		Ratio: 8.64 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶
Hex(FFFFFF)	Ratio: 8.64 Passed ⁶		Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(B55BAC)	Ratio: 2.08 Failed ⁵	Ratio: 4.15 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.52 AA 18pt ²
Hex(D275C7)	Ratio: 2.92 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(EF90E3)	Ratio: 4.02 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFACFF)	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 1.67 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FFC8FF)	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 1.40 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(FFE4FF)	Ratio: 7.32 Passed ⁶	Ratio: 1.18 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.41 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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