

Converting Colors - WCAG Matrix

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

	Hex(180C31)	Hex(FFEBFF)	Hex(463660)	Hex(5E4D79)	Hex(776593)	Hex(917EAD)	Hex(AC98C9)	Hex(C7B3E5)	Hex(E4CFFF)
Hex(180C31)		Ratio: 16.36 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 12.91 Passed ⁶
Hex(FFEBFF)	Ratio: 16.36 Passed ⁶		Ratio: 9.49 Passed ⁶	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(463660)	Ratio: 1.72 Failed ⁵	Ratio: 9.49 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶
Hex(5E4D79)	Ratio: 2.48 Failed ⁵	Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(776593)	Ratio: 3.58 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.61 AA 18pt ²
Hex(917EAD)	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(AC98C9)	Ratio: 7.12 Passed ⁶	Ratio: 2.30 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(C7B3E5)	Ratio: 9.69 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(E4CFFF)	Ratio: 12.91 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 7.50 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 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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