

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(7F49B0)	Hex(885BB0)	Hex(906DB0)	Hex(997EB0)	Hex(A190B0)	Hex(A9A2B0)	Hex(B2B3B0)	Hex(BAC5B0)	Hex(C2D6B0)	Hex(CBE8B0)
Hex(7F49B0)		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(885BB0)	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 3.77 AA 18pt ²
Hex(906DB0)	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(997EB0)	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(A190B0)	Ratio: 2.05 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(A9A2B0)	Ratio: 2.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(B2B3B0)	Ratio: 2.86 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(BAC5B0)	Ratio: 3.36 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(C2D6B0)	Ratio: 3.89 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(CBE8B0)	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 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.