

Converting Colors - WCAG Matrix

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

	Hex(632CA0)	Hex(6C3CA0)	Hex(744CA0)	Hex(7C5CA0)	Hex(856CA0)	Hex(8D7CA0)	Hex(968CA0)	Hex(9E9CA0)	Hex(A6ACA0)	Hex(AFBCA0)
Hex(632CA0)		Ratio: 1.16 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.77 AA 18pt ²	Ratio: 4.39 AA 18pt ²
Hex(6C3CA0)	Ratio: 1.16 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.77 AA 18pt ²
Hex(744CA0)	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.20 AA 18pt ²
Hex(7C5CA0)	Ratio: 1.62 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(856CA0)	Ratio: 1.94 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(8D7CA0)	Ratio: 2.30 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(968CA0)	Ratio: 2.73 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(9E9CA0)	Ratio: 3.22 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(A6ACA0)	Ratio: 3.77 AA 18pt ²	Ratio: 3.23 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(AFBCA0)	Ratio: 4.39 AA 18pt ²	Ratio: 3.77 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 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

Failed 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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