

Converting Colors - WCAG Matrix

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

	Hex(023AC4)	Hex(1648C4)	Hex(2A56C4)	Hex(3D64C4)	Hex(5172C4)	Hex(6580C4)	Hex(788EC4)	Hex(8C9CC4)	Hex(9FAAC4)	Hex(B3B8C4)
Hex(023AC4)		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 4.40 AA 18pt ²
Hex(1648C4)	Ratio: 1.15 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.83 AA 18pt ²
Hex(2A56C4)	Ratio: 1.34 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.28 AA 18pt ²
Hex(3D64C4)	Ratio: 1.59 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(5172C4)	Ratio: 1.89 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.41 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
Hex(6580C4)	Ratio: 2.26 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.69 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
Hex(788EC4)	Ratio: 2.69 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.69 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
Hex(8C9CC4)	Ratio: 3.19 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.01 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
Hex(9FAAC4)	Ratio: 3.75 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.36 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
Hex(B3B8C4)	Ratio: 4.40 AA 18pt ²	Ratio: 3.83 AA 18pt ²	Ratio: 3.28 AA 18pt ²	Ratio: 2.77 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	

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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