

Converting Colors - WCAG Matrix

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

	Hex(3426A4)	Hex(4336A4)	Hex(5147A4)	Hex(6057A4)	Hex(6E68A4)	Hex(7D78A4)	Hex(8B88A4)	Hex(9A99A4)	Hex(A9A9A4)	Hex(B7BAA4)
Hex(3426A4)		Ratio: 1.18 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 5.40 AA ¹ AAA 18pt ⁴
Hex(4336A4)	Ratio: 1.18 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(5147A4)	Ratio: 1.42 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.79 AA 18pt ²
Hex(6057A4)	Ratio: 1.73 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(6E68A4)	Ratio: 2.13 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(7D78A4)	Ratio: 2.60 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(8B88A4)	Ratio: 3.14 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(9A99A4)	Ratio: 3.81 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(A9A9A4)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(B7BAA4)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.42 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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