

Converting Colors - WCAG Matrix

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

	Hex(30438A)	Hex(3E4E8A)	Hex(4C598A)	Hex(59648A)	Hex(676F8A)	Hex(75798A)	Hex(83848A)	Hex(918F8A)	Hex(9E9A8A)	Hex(ACA58A)
Hex(30438A)		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(3E4E8A)	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.19 AA 18pt ²
Hex(4C598A)	Ratio: 1.35 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(59648A)	Ratio: 1.57 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(676F8A)	Ratio: 1.84 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(75798A)	Ratio: 2.12 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(83848A)	Ratio: 2.45 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(918F8A)	Ratio: 2.83 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(9E9A8A)	Ratio: 3.24 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(ACA58A)	Ratio: 3.70 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 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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