

Converting Colors - WCAG Matrix

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

	Hex(8085A5)	Hex(6F77A5)	Hex(5F68A5)	Hex(4E5AA5)	Hex(3E4CA5)	Hex(2D3EA5)	Hex(1D2FA5)	Hex(0C21A5)	Hex(0016A5)
Hex(8085A5)		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.51 AA 18pt ²
Hex(6F77A5)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(5F68A5)	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(4E5AA5)	Ratio: 1.75 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(3E4CA5)	Ratio: 2.09 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(2D3EA5)	Ratio: 2.48 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(1D2FA5)	Ratio: 2.90 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(0C21A5)	Ratio: 3.27 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(0016A5)	Ratio: 3.51 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.07 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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