

Converting Colors - WCAG Matrix

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

	Hex(7506A5)	Hex(7A17A5)	Hex(7F27A5)	Hex(8438A5)	Hex(8948A5)	Hex(8E58A5)	Hex(9369A5)	Hex(9879A5)	Hex(9D8AA5)	Hex(A29AA5)
Hex(7506A5)		Ratio: 1.07 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.31 AA 18pt ²
Hex(7A17A5)	Ratio: 1.07 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(7F27A5)	Ratio: 1.18 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(8438A5)	Ratio: 1.33 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(8948A5)	Ratio: 1.52 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(8E58A5)	Ratio: 1.76 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(9369A5)	Ratio: 2.07 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(9879A5)	Ratio: 2.41 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(9D8AA5)	Ratio: 2.84 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(A29AA5)	Ratio: 3.31 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 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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