

Converting Colors - WCAG Matrix

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

	Hex(918583)	Hex(919192)	Hex(919EA0)	Hex(91AAAE)	Hex(91B7BD)	Hex(91C3CB)	Hex(91D0DA)	Hex(91DCE9)	Hex(91E8F7)	Hex(91F5FF)
Hex(918583)		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(919192)	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(919EA0)	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(91AAAE)	Ratio: 1.45 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(91B7BD)	Ratio: 1.65 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(91C3CB)	Ratio: 1.85 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(91D0DA)	Ratio: 2.08 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(91DCE9)	Ratio: 2.31 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(91E8F7)	Ratio: 2.56 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(91F5FF)	Ratio: 2.84 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 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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