

Converting Colors - WCAG Matrix

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

	Hex(999A9B)	Hex(8A989B)	Hex(7A959B)	Hex(6B939B)	Hex(5B909B)	Hex(4C8D9B)	Hex(3C8B9B)	Hex(2D889B)	Hex(1D869B)	Hex(0E839B)
Hex(999A9B)		Ratio: 1.06 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(8A989B)	Ratio: 1.06 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(7A959B)	Ratio: 1.13 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(6B939B)	Ratio: 1.19 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(5B909B)	Ratio: 1.26 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(4C8D9B)	Ratio: 1.33 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(3C8B9B)	Ratio: 1.39 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(2D889B)	Ratio: 1.46 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(1D869B)	Ratio: 1.51 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(0E839B)	Ratio: 1.57 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.04 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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