

Converting Colors - WCAG Matrix

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

	Hex(00519E)	Hex(10589E)	Hex(20609E)	Hex(2F689E)	Hex(3F709E)	Hex(4F779E)	Hex(5F7F9E)	Hex(6F879E)	Hex(7E8F9E)	Hex(8E969E)
Hex(00519E)		Ratio: 1.09 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(10589E)	Ratio: 1.09 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(20609E)	Ratio: 1.21 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(2F689E)	Ratio: 1.35 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(3F709E)	Ratio: 1.51 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(4F779E)	Ratio: 1.67 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(5F7F9E)	Ratio: 1.88 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(6F879E)	Ratio: 2.11 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(7E8F9E)	Ratio: 2.36 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(8E969E)	Ratio: 2.62 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.24 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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