

Converting Colors - WCAG Matrix

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

	Hex(717E9D)	Hex(61739D)	Hex(52689D)	Hex(425D9D)	Hex(32529D)	Hex(22479D)	Hex(133C9D)	Hex(03319D)	Hex(002E9D)
Hex(717E9D)		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(61739D)	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(52689D)	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(425D9D)	Ratio: 1.58 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(32529D)	Ratio: 1.83 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(22479D)	Ratio: 2.11 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(133C9D)	Ratio: 2.39 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(03319D)	Ratio: 2.68 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(002E9D)	Ratio: 2.76 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.03 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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