

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.										
	Hex(003D9D)	Hex(10469D)	Hex(1F509D)	Hex(2F5A9D)	Hex(3F639D)	Hex(4F6D9D)	Hex(5E779D)	Hex(6E809D)	Hex(7E8A9D)	Hex(8E949D)
Hex(003D9D)		Ratio: 1.11 Failed⁵	Ratio: 1.25 Failed⁵	Ratio: 1.43 Failed⁵	Ratio: 1.62 Failed⁵	Ratio: 1.86 Failed⁵	Ratio: 2.14 Failed⁵	Ratio: 2.43 Failed⁵	Ratio: 2.79 Failed⁵	Ratio: 3.19 AA 18pt²
Hex(10469D)	Ratio: 1.11 Failed⁵		Ratio: 1.13 Failed⁵	Ratio: 1.29 Failed⁵	Ratio: 1.46 Failed⁵	Ratio: 1.68 Failed⁵	Ratio: 1.93 Failed⁵	Ratio: 2.20 Failed⁵	Ratio: 2.52 Failed⁵	Ratio: 2.88 Failed⁵
Hex(1F509D)	Ratio: 1.25 Failed⁵	Ratio: 1.13 Failed⁵		Ratio: 1.14 Failed⁵	Ratio: 1.29 Failed⁵	Ratio: 1.49 Failed⁵	Ratio: 1.71 Failed⁵	Ratio: 1.95 Failed⁵	Ratio: 2.23 Failed⁵	Ratio: 2.55 Failed⁵
Hex(2F5A9D)	Ratio: 1.43 Failed⁵	Ratio: 1.29 Failed⁵	Ratio: 1.14 Failed⁵		Ratio: 1.13 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.71 Failed⁵	Ratio: 1.96 Failed⁵	Ratio: 2.24 Failed⁵
Hex(3F639D)	Ratio: 1.62 Failed⁵	Ratio: 1.46 Failed⁵	Ratio: 1.29 Failed⁵	Ratio: 1.13 Failed⁵		Ratio: 1.15 Failed⁵	Ratio: 1.32 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.73 Failed⁵	Ratio: 1.97 Failed⁵
Hex(4F6D9D)	Ratio: 1.86 Failed⁵	Ratio: 1.68 Failed⁵	Ratio: 1.49 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.15 Failed⁵		Ratio: 1.15 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.72 Failed⁵
Hex(5E779D)	Ratio: 2.14 Failed⁵	Ratio: 1.93 Failed⁵	Ratio: 1.71 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.32 Failed⁵	Ratio: 1.15 Failed⁵		Ratio: 1.14 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.49 Failed⁵
Hex(6E809D)	Ratio: 2.43 Failed⁵	Ratio: 2.20 Failed⁵	Ratio: 1.95 Failed⁵	Ratio: 1.71 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.14 Failed⁵		Ratio: 1.15 Failed⁵	Ratio: 1.31 Failed⁵
Hex(7E8A9D)	Ratio: 2.79 Failed⁵	Ratio: 2.52 Failed⁵	Ratio: 2.23 Failed⁵	Ratio: 1.96 Failed⁵	Ratio: 1.73 Failed⁵	Ratio: 1.50 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.15 Failed⁵		Ratio: 1.14 Failed⁵
Hex(8E949D)	Ratio: 3.19 AA 18pt²	Ratio: 2.88 Failed⁵	Ratio: 2.55 Failed⁵	Ratio: 2.24 Failed⁵	Ratio: 1.97 Failed⁵	Ratio: 1.72 Failed⁵	Ratio: 1.49 Failed⁵	Ratio: 1.31 Failed⁵	Ratio: 1.14 Failed⁵	

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.