

Converting Colors - WCAG Matrix

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

	Hex(777794)	Hex(686894)	Hex(595994)	Hex(4B4B94)	Hex(3C3C94)	Hex(2D2D94)	Hex(1E1E94)	Hex(0F0F94)	Hex(010194)	Hex(000094)
Hex(777794)		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 3.40 AA 18pt ²
Hex(686894)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(595994)	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(4B4B94)	Ratio: 1.77 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(3C3C94)	Ratio: 2.14 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(2D2D94)	Ratio: 2.53 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(1E1E94)	Ratio: 2.91 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(0F0F94)	Ratio: 3.20 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(010194)	Ratio: 3.38 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000094)	Ratio: 3.40 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.00 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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