

Converting Colors - WCAG Matrix

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

Hex(6D97A4) Hex(537D8A) Hex(3A6470) Hex(214C58) Hex(033540) Hex(00202A) Hex(000117) Hex(000000)

	Hex(6D97A4)	Hex(537D8A)	Hex(3A6470)	Hex(214C58)	Hex(033540)	Hex(00202A)	Hex(000117)	Hex(000000)
Hex(6D97A4)		Ratio: 1.42 Failed⁵	Ratio: 2.04 Failed⁵	Ratio: 2.95 Failed⁵	Ratio: 4.17 AA 18pt²	Ratio: 5.33 AA¹ AAA 18pt⁴	Ratio: 6.50 AA¹ AAA 18pt⁴	Ratio: 6.61 AA¹ AAA 18pt⁴
Hex(537D8A)	Ratio: 1.42 Failed⁵		Ratio: 1.44 Failed⁵	Ratio: 2.08 Failed⁵	Ratio: 2.94 Failed⁵	Ratio: 3.76 AA 18pt²	Ratio: 4.59 AA¹ AAA 18pt⁴	Ratio: 4.67 AA¹ AAA 18pt⁴
Hex(3A6470)	Ratio: 2.04 Failed⁵	Ratio: 1.44 Failed⁵		Ratio: 1.45 Failed⁵	Ratio: 2.04 Failed⁵	Ratio: 2.61 Failed⁵	Ratio: 3.18 AA 18pt²	Ratio: 3.24 AA 18pt²
Hex(214C58)	Ratio: 2.95 Failed⁵	Ratio: 2.08 Failed⁵	Ratio: 1.45 Failed⁵		Ratio: 1.41 Failed⁵	Ratio: 1.81 Failed⁵	Ratio: 2.20 Failed⁵	Ratio: 2.24 Failed⁵
Hex(033540)	Ratio: 4.17 AA 18pt²	Ratio: 2.94 Failed⁵	Ratio: 2.04 Failed⁵	Ratio: 1.41 Failed⁵		Ratio: 1.28 Failed⁵	Ratio: 1.56 Failed⁵	Ratio: 1.59 Failed⁵
Hex(00202A)	Ratio: 5.33 AA¹ AAA 18pt⁴	Ratio: 3.76 AA 18pt²	Ratio: 2.61 Failed⁵	Ratio: 1.81 Failed⁵	Ratio: 1.28 Failed⁵		Ratio: 1.22 Failed⁵	Ratio: 1.24 Failed⁵
Hex(000117)	Ratio: 6.50 AA¹ AAA 18pt⁴	Ratio: 4.59 AA¹ AAA 18pt⁴	Ratio: 3.18 AA 18pt²	Ratio: 2.20 Failed⁵	Ratio: 1.56 Failed⁵	Ratio: 1.22 Failed⁵		Ratio: 1.02 Failed⁵
Hex(000000)	Ratio: 6.61 AA¹ AAA 18pt⁴	Ratio: 4.67 AA¹ AAA 18pt⁴	Ratio: 3.24 AA 18pt²	Ratio: 2.24 Failed⁵	Ratio: 1.59 Failed⁵	Ratio: 1.24 Failed⁵	Ratio: 1.02 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.