

Converting Colors - WCAG Matrix

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

Hex(3B95A6) Hex(157B8C) Hex(006272) Hex(00495A) Hex(003342) Hex(001F2C) Hex(000118) Hex(000000)

	Hex(3B95A6)	Hex(157B8C)	Hex(006272)	Hex(00495A)	Hex(003342)	Hex(001F2C)	Hex(000118)	Hex(000000)
Hex(3B95A6)		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴
Hex(157B8C)	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.24 AA 18pt ²
Hex(006272)	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(00495A)	Ratio: 2.87 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(003342)	Ratio: 3.89 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(001F2C)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(000118)	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.02 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.