

Converting Colors - WCAG Matrix

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

	Hex(5999AB)	Hex(3D7F90)	Hex(1F6677)	Hex(004E5E)	Hex(003746)	Hex(002130)	Hex(00011C)	Hex(000000)
Hex(5999AB)		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 6.57 AA ¹ AAA 18pt ⁴
Hex(3D7F90)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(1F6677)	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.23 AA 18pt ²
Hex(004E5E)	Ratio: 2.92 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(003746)	Ratio: 4.02 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(002130)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(00011C)	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.57 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.26 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.

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