

Converting Colors - WCAG Matrix

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

	Hex(6B96B0)	Hex(517C95)	Hex(37637B)	Hex(1C4B62)	Hex(00344B)	Hex(001F34)	Hex(00021F)	Hex(000002)	Hex(000000)
Hex(6B96B0)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴
Hex(517C95)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴
Hex(37637B)	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 3.23 AA 18pt ²	Ratio: 3.23 AA 18pt ²
Hex(1C4B62)	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(00344B)	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(001F34)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(00021F)	Ratio: 6.43 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(000002)	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.03 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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