

Converting Colors - WCAG Matrix

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

	Hex(91C9E9)	Hex(75AECC)	Hex(5A93B1)	Hex(3F7996)	Hex(21617C)	Hex(004963)	Hex(00324B)	Hex(001E34)	Hex(00021F)	Hex(000003)
Hex(91C9E9)		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 9.50 Passed ⁶	Ratio: 11.41 Passed ⁶	Ratio: 11.72 Passed ⁶
Hex(75AECC)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 8.44 Passed ⁶	Ratio: 8.67 Passed ⁶
Hex(5A93B1)	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(3F7996)	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.27 AA 18pt ²	Ratio: 4.38 AA 18pt ²
Hex(21617C)	Ratio: 3.83 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(004963)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(00324B)	Ratio: 7.53 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(001E34)	Ratio: 9.50 Passed ⁶	Ratio: 7.03 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(00021F)	Ratio: 11.41 Passed ⁶	Ratio: 8.44 Passed ⁶	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000003)	Ratio: 11.72 Passed ⁶	Ratio: 8.67 Passed ⁶	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 4.38 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.03 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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