

Converting Colors - WCAG Matrix

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

	Hex(9CD1F7)	Hex(80B5DA)	Hex(659BBF)	Hex(4981A3)	Hex(2D6889)	Hex(055070)	Hex(003957)	Hex(00233F)	Hex(000D2A)	Hex(000114)
Hex(9CD1F7)		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 9.81 Passed ⁶	Ratio: 11.80 Passed ⁶	Ratio: 12.69 Passed ⁶
Hex(80B5DA)	Ratio: 1.35 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 9.40 Passed ⁶
Hex(659BBF)	Ratio: 1.84 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 6.89 AA ¹ AAA 18pt ⁴
Hex(4981A3)	Ratio: 2.60 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴
Hex(2D6889)	Ratio: 3.73 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.40 AA 18pt ²
Hex(055070)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(003957)	Ratio: 7.47 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(00233F)	Ratio: 9.81 Passed ⁶	Ratio: 7.27 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(000D2A)	Ratio: 11.80 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.16 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000114)	Ratio: 12.69 Passed ⁶	Ratio: 9.40 Passed ⁶	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.08 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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