

Converting Colors - WCAG Matrix

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

	Hex(CCD4FF)	Hex(B0B9E2)	Hex(959EC6)	Hex(7B84AB)	Hex(616B90)	Hex(495276)	Hex(313C5E)	Hex(192646)	Hex(01112F)	Hex(000000)
Hex(CCD4FF)		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.85 Passed ⁶	Ratio: 14.43 Passed ⁶
Hex(B0B9E2)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 10.88 Passed ⁶
Hex(959EC6)	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 7.98 Passed ⁶
Hex(7B84AB)	Ratio: 2.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 5.73 AA ¹ AAA 18pt ⁴
Hex(616B90)	Ratio: 3.59 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.01 AA 18pt ²
Hex(495276)	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(313C5E)	Ratio: 7.44 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(192646)	Ratio: 10.26 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(01112F)	Ratio: 12.85 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 14.43 Passed ⁶	Ratio: 10.88 Passed ⁶	Ratio: 7.98 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.12 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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