

Converting Colors - WCAG Matrix

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

	Hex(B5D1F8)	Hex(9AB5DB)	Hex(7F9BC0)	Hex(6581A4)	Hex(4B688A)	Hex(325070)	Hex(173958)	Hex(002440)	Hex(000E2A)	Hex(000115)
Hex(B5D1F8)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.63 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 12.26 Passed ⁶	Ratio: 13.24 Passed ⁶
Hex(9AB5DB)	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 9.86 Passed ⁶
Hex(7F9BC0)	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶
Hex(6581A4)	Ratio: 2.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(4B688A)	Ratio: 3.69 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.59 AA 18pt ²
Hex(325070)	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(173958)	Ratio: 7.63 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(002440)	Ratio: 10.13 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(000E2A)	Ratio: 12.26 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000115)	Ratio: 13.24 Passed ⁶	Ratio: 9.86 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 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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