

Converting Colors - WCAG Matrix

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

	Hex(B0CFCF)	Hex(95B3B3)	Hex(7B9999)	Hex(627F7F)	Hex(496666)	Hex(324E4E)	Hex(1B3737)	Hex(052122)	Hex(00070C)	Hex(000000)
Hex(B0CFCF)		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 12.23 Passed ⁶	Ratio: 12.67 Passed ⁶
Hex(95B3B3)	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.05 Passed ⁶	Ratio: 9.38 Passed ⁶
Hex(7B9999)	Ratio: 1.85 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴
Hex(627F7F)	Ratio: 2.61 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(496666)	Ratio: 3.75 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.38 AA 18pt ²
Hex(324E4E)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(1B3737)	Ratio: 7.69 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(052122)	Ratio: 10.16 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(00070C)	Ratio: 12.23 Passed ⁶	Ratio: 9.05 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 12.67 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.04 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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