

Converting Colors - WCAG Matrix

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

	Hex(B9CDDA)	Hex(9EB1BE)	Hex(8397A3)	Hex(6A7D89)	Hex(516470)	Hex(3A4C57)	Hex(233540)	Hex(0E202A)	Hex(000816)	Hex(000000)
Hex(B9CDDA)		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 12.24 Passed ⁶	Ratio: 12.81 Passed ⁶
Hex(9EB1BE)	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 9.07 Passed ⁶	Ratio: 9.49 Passed ⁶
Hex(8397A3)	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: 4.18 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 6.92 AA ¹ AAA 18pt ⁴
Hex(6A7D89)	Ratio: 2.61 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(516470)	Ratio: 3.76 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(3A4C57)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(233540)	Ratio: 7.74 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(0E202A)	Ratio: 10.17 Passed ⁶	Ratio: 7.54 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: 1.31 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(000816)	Ratio: 12.24 Passed ⁶	Ratio: 9.07 Passed ⁶	Ratio: 6.61 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: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 12.81 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 6.92 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.05 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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