

Converting Colors - WCAG Matrix

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

	Hex(BAD8DE)	Hex(9FBCC2)	Hex(84A1A7)	Hex(6B878D)	Hex(526E73)	Hex(3A555B)	Hex(233E43)	Hex(0C282D)	Hex(001418)	Hex(000000)
Hex(BAD8DE)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 12.54 Passed ⁶	Ratio: 13.96 Passed ⁶
Hex(9FBCC2)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 10.45 Passed ⁶
Hex(84A1A7)	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶
Hex(6B878D)	Ratio: 2.55 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.48 AA ¹ AAA 18pt ⁴
Hex(526E73)	Ratio: 3.64 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 3.84 AA 18pt ²
Hex(3A555B)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(233E43)	Ratio: 7.58 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(0C282D)	Ratio: 10.29 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(001418)	Ratio: 12.54 Passed ⁶	Ratio: 9.38 Passed ⁶	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 13.96 Passed ⁶	Ratio: 10.45 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.11 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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