

Converting Colors - WCAG Matrix

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

	Hex(B5D8D8)	Hex(9ABCBC)	Hex(80A1A1)	Hex(668787)	Hex(4D6E6E)	Hex(365555)	Hex(1F3E3E)	Hex(072828)	Hex(001414)	Hex(000000)
Hex(B5D8D8)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.41 Passed ⁶	Ratio: 13.78 Passed ⁶
Hex(9ABCBC)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.27 Passed ⁶	Ratio: 10.29 Passed ⁶
Hex(80A1A1)	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶
Hex(668787)	Ratio: 2.56 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.38 AA ¹ AAA 18pt ⁴
Hex(4D6E6E)	Ratio: 3.65 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 3.77 AA 18pt ²
Hex(365555)	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(1F3E3E)	Ratio: 7.58 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(072828)	Ratio: 10.26 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(001414)	Ratio: 12.41 Passed ⁶	Ratio: 9.27 Passed ⁶	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 13.78 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 7.53 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 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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