

Converting Colors - WCAG Matrix

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

	Hex(B4F8FA)	Hex(98DBDD)	Hex(7DBFC1)	Hex(62A4A6)	Hex(47898C)	Hex(2B7072)	Hex(08575A)	Hex(004043)	Hex(00292D)	Hex(001418)
Hex(B4F8FA)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 9.78 Passed ⁶	Ratio: 13.10 Passed ⁶	Ratio: 15.94 Passed ⁶
Hex(98DBDD)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 9.97 Passed ⁶	Ratio: 12.14 Passed ⁶
Hex(7DBFC1)	Ratio: 1.76 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 9.07 Passed ⁶
Hex(62A4A6)	Ratio: 2.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴
Hex(47898C)	Ratio: 3.40 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴
Hex(2B7072)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(08575A)	Ratio: 7.04 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(004043)	Ratio: 9.78 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(00292D)	Ratio: 13.10 Passed ⁶	Ratio: 9.97 Passed ⁶	Ratio: 7.45 Passed ⁵	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(001418)	Ratio: 15.94 Passed ⁶	Ratio: 12.14 Passed ⁶	Ratio: 9.07 Passed ⁶	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.22 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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