

Converting Colors - WCAG Matrix

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

	Hex(B8FFFF)	Hex(9CE2E2)	Hex(80C6C6)	Hex(65ABAB)	Hex(4A9091)	Hex(2F7677)	Hex(0C5D5E)	Hex(004547)	Hex(002F30)	Hex(001C1B)
Hex(B8FFFF)		Ratio: 1.31 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 9.67 Passed ⁶	Ratio: 12.96 Passed ⁶	Ratio: 15.89 Passed ⁶
Hex(9CE2E2)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 12.17 Passed ⁶
Hex(80C6C6)	Ratio: 1.74 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 9.15 Passed ⁶
Hex(65ABAB)	Ratio: 2.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴
Hex(4A9091)	Ratio: 3.30 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴
Hex(2F7677)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(0C5D5E)	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(004547)	Ratio: 9.67 Passed ⁶	Ratio: 7.41 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(002F30)	Ratio: 12.96 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 7.46 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001C1B)	Ratio: 15.89 Passed ⁶	Ratio: 12.17 Passed ⁶	Ratio: 9.15 Passed ⁶	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.23 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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