

Converting Colors - WCAG Matrix

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

	Hex(B7FFDC)	Hex(9CE2C0)	Hex(80C6A5)	Hex(66AB8B)	Hex(4C9071)	Hex(317659)	Hex(145D41)	Hex(00452B)	Hex(002E17)	Hex(001900)
Hex(B7FFDC)		Ratio: 1.31 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 9.73 Passed ⁶	Ratio: 13.08 Passed ⁶	Ratio: 16.11 Passed ⁶
Hex(9CE2C0)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 12.34 Passed ⁶
Hex(80C6A5)	Ratio: 1.74 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.25 Passed ⁶
Hex(66AB8B)	Ratio: 2.36 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴
Hex(4C9071)	Ratio: 3.32 AA 18pt ²	Ratio: 2.54 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: 3.94 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(317659)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(145D41)	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(00452B)	Ratio: 9.73 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(002E17)	Ratio: 13.08 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 7.51 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001900)	Ratio: 16.11 Passed ⁶	Ratio: 12.34 Passed ⁶	Ratio: 9.25 Passed ⁶	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.66 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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