

Converting Colors - WCAG Matrix

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

	Hex(002C17)	Hex(E8FFF9)	Hex(305A42)	Hex(487359)	Hex(618D72)	Hex(7AA78B)	Hex(95C2A6)	Hex(B0DEC1)	Hex(CBFBDD)
Hex(002C17)		Ratio: 14.65 Passed ⁶	Ratio: 1.94 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 13.39 Passed ⁶
Hex(E8FFF9)	Ratio: 14.65 Passed ⁶		Ratio: 7.54 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(305A42)	Ratio: 1.94 Failed ⁵	Ratio: 7.54 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 6.89 AA ¹ AAA 18pt ⁴
Hex(487359)	Ratio: 2.82 Failed ⁵	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(618D72)	Ratio: 4.05 AA 18pt ²	Ratio: 3.61 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.31 AA 18pt ²
Hex(7AA78B)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 2.60 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(95C2A6)	Ratio: 7.68 Passed ⁶	Ratio: 1.91 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(B0DEC1)	Ratio: 10.25 Passed ⁶	Ratio: 1.43 Failed ⁵	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(CBFBDD)	Ratio: 13.39 Passed ⁶	Ratio: 1.09 Failed ⁵	Ratio: 6.89 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 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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