

Converting Colors - WCAG Matrix

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

	Hex(00BDB3)	Hex(00A298)	Hex(00877E)	Hex(006D65)	Hex(00544E)	Hex(003B37)	Hex(002721)	Hex(00000C)	Hex(000000)
Hex(00BDB3)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 8.88 Passed ⁶	Ratio: 8.93 Passed ⁶
Hex(00A298)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴
Hex(00877E)	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(006D65)	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 3.38 AA 18pt ²
Hex(00544E)	Ratio: 3.75 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(003B37)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(002721)	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(00000C)	Ratio: 8.88 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 8.93 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.01 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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