

Converting Colors - WCAG Matrix

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

	Hex(1DCEC9)	Hex(00B2AE)	Hex(009793)	Hex(007C79)	Hex(006361)	Hex(004A49)	Hex(003233)	Hex(001C1E)	Hex(000003)	Hex(000000)
Hex(1DCEC9)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 9.05 Passed ⁶	Ratio: 10.71 Passed ⁶	Ratio: 10.72 Passed ⁶
Hex(00B2AE)	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 7.97 Passed ⁶	Ratio: 7.98 Passed ⁶
Hex(009793)	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 5.85 AA ¹ AAA 18pt ⁴
Hex(007C79)	Ratio: 2.58 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.16 AA 18pt ²
Hex(006361)	Ratio: 3.63 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(004A49)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(003233)	Ratio: 7.13 Passed ⁶	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(001C1E)	Ratio: 9.05 Passed ⁶	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(000003)	Ratio: 10.71 Passed ⁶	Ratio: 7.97 Passed ⁶	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 10.72 Passed ⁶	Ratio: 7.98 Passed ⁶	Ratio: 5.85 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.00 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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