

Converting Colors - WCAG Matrix

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

	Hex(28C7AC)	Hex(00AB91)	Hex(009078)	Hex(00765F)	Hex(005C48)	Hex(004331)	Hex(002D1C)	Hex(001003)	Hex(000000)
Hex(28C7AC)		Ratio: 1.36 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 9.86 Passed ⁶
Hex(00AB91)	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 7.23 Passed ⁶
Hex(009078)	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(00765F)	Ratio: 2.62 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 3.76 AA 18pt ²
Hex(005C48)	Ratio: 3.76 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(004331)	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(002D1C)	Ratio: 7.08 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(001003)	Ratio: 9.16 Passed ⁶	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 9.86 Passed ⁶	Ratio: 7.23 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.08 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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