Converting Colors - WCAG Matrix

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

	Hex(27C4BC)	Hex(00A9A2)	Hex(008E87)	Hex(00746E)	Hex(005A56)	Hex(00423F)	Hex(002B29)	Hex(000E15)	Hex(000000)
Hex(27C4BC)		Ratio: 1.35 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 2.61 Failed [5]	Ratio: 3.74 AA 18pt [2]	Ratio: 5.24 AA [1] AAA 18pt [4]	Ratio: 7.05 Passed [6]	Ratio: 9.04 Passed [6]	Ratio: 9.71 Passed [6]
Hex(00A9A2)	Ratio: 1.35 Failed [5]		Ratio: 1.38 Failed [5]	Ratio: 1.93 Failed [5]	Ratio: 2.77 Failed [5]	Ratio: 3.89 AA 18pt [2]	Ratio: 5.22 AA [1] AAA 18pt [4]	Ratio: 6.70 AA [1] AAA 18pt [4]	Ratio: 7.20 Passed [6]
Hex(008E87)	Ratio: 1.86 Failed [5]	Ratio: 1.38 Failed [5]		Ratio: 1.40 Failed [5]	Ratio: 2.01 Failed [5]	Ratio: 2.82 Failed [5]	Ratio: 3.79 AA 18pt [2]	Ratio: 4.86 AA [1] AAA 18pt [4]	Ratio: 5.22 AA [1] AAA 18pt [4]
Hex(00746E)	Ratio: 2.61 Failed [5]	Ratio: 1.93 Failed [5]	Ratio: 1.40 Failed [5]		Ratio: 1.43 Failed [5]	Ratio: 2.01 Failed [5]	Ratio: 2.70 Failed [5]	Ratio: 3.47 AA 18pt [2]	Ratio: 3.72 AA 18pt [2]
Hex(005A56)	Ratio: 3.74 AA 18pt [2]	Ratio: 2.77 Failed [5]	Ratio: 2.01 Failed [5]	Ratio: 1.43 Failed [5]		Ratio: 1.40 Failed [5]	Ratio: 1.89 Failed [5]	Ratio: 2.42 Failed [5]	Ratio: 2.60 Failed [5]
Hex(00423F)	Ratio: 5.24 AA [1] AAA 18pt [4]	Ratio: 3.89 AA 18pt [2]	Ratio: 2.82 Failed [5]	Ratio: 2.01 Failed [5]	Ratio: 1.40 Failed [5]		Ratio: 1.34 Failed [5]	Ratio: 1.72 Failed [5]	Ratio: 1.85 Failed [5]
Hex(002B29)	Ratio: 7.05 Passed [6]	Ratio: 5.22 AA [1] AAA 18pt [4]	Ratio: 3.79 AA 18pt [2]	Ratio: 2.70 Failed [5]	Ratio: 1.89 Failed [5]	Ratio: 1.34 Failed [5]		Ratio: 1.28 Failed [5]	Ratio: 1.38 Failed [5]
Hex(000E15)	Ratio: 9.04 Passed [6]	Ratio: 6.70 AA [1] AAA 18pt [4]	Ratio: 4.86 AA [1] AAA 18pt [4]	Ratio: 3.47 AA 18pt [2]	Ratio: 2.42 Failed [5]	Ratio: 1.72 Failed [5]	Ratio: 1.28 Failed [5]		
Hex(000000)	Ratio: 9.71 Passed [6]	Ratio: 7.20 Passed [6]	Ratio: 5.22 AA [1] AAA 18pt [4]	Ratio: 3.72 AA 18pt [2]	Ratio: 2.60 Failed [5]	Ratio: 1.85 Failed [5]	Ratio: 1.38 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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