Converting Colors - WCAG Matrix

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

	Hex(C7C5C5)	Hex(ACAAAA)	Hex(918F8F)	Hex(777676)	Hex(5F5D5D)	Hex(474545)	Hex(312F2F)	Hex(1C1A1A)	Hex(000000)
Hex(C7C5C5)		Ratio: 1.35 Failed [5]	Ratio: 1.87 Failed [5]	Ratio: 2.64 Failed [5]	Ratio: 3.81 AA 18pt [2]	Ratio: 5.54 AA [1] AAA 18pt [4]	Ratio: 7.74 Passed [6]	Ratio: 10.08 Passed [6]	Ratio: 12.22 Passed [6]
Hex(ACAAAA)	Ratio: 1.35 Failed [5]		Ratio: 1.39 Failed [5]	Ratio: 1.96 Failed [5]	Ratio: 2.83 Failed [5]	Ratio: 4.12 AA 18pt [2]	Ratio: 5.76 AA [1] AAA 18pt [4]	Ratio: 7.50 Passed [6]	Ratio: 9.08 Passed [6]
Hex(918F8F)	Ratio: 1.87 Failed [5]	Ratio: 1.39 Failed [5]		Ratio: 1.41 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 2.96 Failed [5]	Ratio: 4.14 AA 18pt [2]	Ratio: 5.39 AA [1] AAA 18pt [4]	Ratio: 6.53 AA [1] AAA 18pt [4]
Hex(777676)	Ratio: 2.64 Failed [5]	Ratio: 1.96 Failed [5]	Ratio: 1.41 Failed [5]		Ratio: 1.44 Failed [5]	Ratio: 2.10 Failed [5]	Ratio: 2.94 Failed [5]	Ratio: 3.83 AA 18pt [2]	Ratio: 4.64 AA [1] AAA 18pt [4]
Hex(5F5D5D)	Ratio: 3.81 AA 18pt [2]	Ratio: 2.83 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 1.44 Failed [5]		Ratio: 1.46 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 2.65 Failed [5]	Ratio: 3.21 AA 18pt [2]
Hex(474545)	Ratio: 5.54 AA [1] AAA 18pt [4]	Ratio: 4.12 AA 18pt [2]	Ratio: 2.96 Failed [5]	Ratio: 2.10 Failed [5]	Ratio: 1.46 Failed [5]		Ratio: 1.40 Failed [5]	Ratio: 1.82 Failed [5]	Ratio: 2.21 Failed [5]
Hex(312F2F)	Ratio: 7.74 Passed [6]	Ratio: 5.76 AA [1] AAA 18pt [4]	Ratio: 4.14 AA 18pt [2]	Ratio: 2.94 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 1.40 Failed [5]		Ratio: 1.30 Failed [5]	Ratio: 1.58 Failed [5]
Hex(1C1A1A)	Ratio: 10.08 Passed [6]	Ratio: 7.50 Passed [6]	Ratio: 5.39 AA [1] AAA 18pt [4]	Ratio: 3.83 AA 18pt [2]	Ratio: 2.65 Failed [5]	Ratio: 1.82 Failed [5]	Ratio: 1.30 Failed [5]		Ratio: 1.21 Failed [5]
Hex(000000)	Ratio: 12.22 Passed [6]	Ratio: 9.08 Passed [6]	Ratio: 6.53 AA [1] AAA 18pt [4]	Ratio: 4.64 AA [1] AAA 18pt [4]	Ratio: 3.21 AA 18pt [2]	Ratio: 2.21 Failed [5]	Ratio: 1.58 Failed [5]	Ratio: 1.21 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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