Converting Colors - WCAG Matrix

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

	Hex(CFCFCF)	Hex(CFBABA)	Hex(CFA5A5)	Hex(CF9191)	Hex(CF7C7C)	Hex(CF6767)	Hex(CF5353)	Hex(CF3E3E)	Hex(CF2929)	Hex(CF1515)
Hex(CFCFCF)		Ratio: 1.18 Failed [5]	Ratio: 1.41 Failed [5]	Ratio: 1.66 Failed [5]	Ratio: 1.97 Failed [5]	Ratio: 2.33 Failed [5]	Ratio: 2.69 Failed [5]	Ratio: 3.06 AA 18pt [2]	Ratio: 3.37 AA 18pt [2]	Ratio: 3.57 AA 18pt [2]
Hex(CFBABA)	Ratio: 1.18 Failed [5]		Ratio: 1.19 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.67 Failed [5]	Ratio: 1.97 Failed [5]	Ratio: 2.27 Failed [5]	Ratio: 2.58 Failed [5]	Ratio: 2.84 Failed [5]	Ratio: 3.02 AA 18pt [2]
Hex(CFA5A5)	Ratio: 1.41 Failed [5]	Ratio: 1.19 Failed [5]		Ratio: 1.18 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.65 Failed [5]	Ratio: 1.91 Failed [5]	Ratio: 2.17 Failed [5]	Ratio: 2.39 Failed [5]	Ratio: 2.54 Failed [5]
Hex(CF9191)	Ratio: 1.66 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.18 Failed [5]		Ratio: 1.19 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.62 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 2.15 Failed [5]
Hex(CF7C7C)	Ratio: 1.97 Failed [5]	Ratio: 1.67 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.19 Failed [5]		Ratio: 1.18 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.55 Failed [5]	Ratio: 1.71 Failed [5]	Ratio: 1.81 Failed [5]
Hex(CF6767)	Ratio: 2.33 Failed [5]	Ratio: 1.97 Failed [5]	Ratio: 1.65 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.18 Failed [5]		Ratio: 1.15 Failed [5]	Ratio: 1.31 Failed [5]	Ratio: 1.45 Failed [5]	Ratio: 1.54 Failed [5]
Hex(CF5353)	Ratio: 2.69 Failed [5]	Ratio: 2.27 Failed [5]	Ratio: 1.91 Failed [5]	Ratio: 1.62 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.15 Failed [5]		Ratio: 1.14 Failed [5]	Ratio: 1.25 Failed [5]	Ratio: 1.33 Failed [5]
Hex(CF3E3E)	Ratio: 3.06 AA 18pt [2]	Ratio: 2.58 Failed [5]	Ratio: 2.17 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 1.55 Failed [5]	Ratio: 1.31 Failed [5]	Ratio: 1.14 Failed [5]		Ratio: 1.10 Failed [5]	Ratio: 1.17 Failed [5]
Hex(CF2929)	Ratio: 3.37 AA 18pt [2]	Ratio: 2.84 Failed [5]	Ratio: 2.39 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 1.71 Failed [5]	Ratio: 1.45 Failed [5]	Ratio: 1.25 Failed [5]	Ratio: 1.10 Failed [5]		Ratio: 1.06 Failed [5]
Hex(CF1515)	Ratio: 3.57 AA 18pt [2]	Ratio: 3.02 AA 18pt [2]	Ratio: 2.54 Failed [5]	Ratio: 2.15 Failed [5]	Ratio: 1.81 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.06 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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