Converting Colors - WCAG Matrix

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

	Hex(4E4C2E)	Hex(666445)	Hex(807D5C)	Hex(9A9775)	Hex(B5B18F)	Hex(D1CDA9)	Hex(EDE9C5)	Hex(FFFFE1)	Hex(FFFFFD)	Hex(FFFFFF)
Hex(4E4C2E)		Ratio: 1.45 Failed [5]	Ratio: 2.09 Failed [5]	Ratio: 2.94 Failed [5]	Ratio: 4.03 AA 18pt [2]	Ratio: 5.43 AA [1] AAA 18pt [4]	Ratio: 7.12 Passed [6]	Ratio: 8.61 Passed [6]	Ratio: 8.75 Passed [6]	Ratio: 8.76 Passed [6]
Hex(666445)	Ratio: 1.45 Failed [5]		Ratio: 1.44 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 2.78 Failed [5]	Ratio: 3.75 AA 18pt [2]	Ratio: 4.91 AA [1] AAA 18pt [4]	Ratio: 5.94 AA [1] AAA 18pt [4]	Ratio: 6.04 AA [1] AAA 18pt [4]	Ratio: 6.05 AA [1] AAA 18pt [4]
Hex(807D5C)	Ratio: 2.09 Failed [5]	Ratio: 1.44 Failed [5]		Ratio: 1.41 Failed [5]	Ratio: 1.93 Failed [5]	Ratio: 2.60 Failed [5]	Ratio: 3.41 AA 18pt [2]	Ratio: 4.12 AA 18pt [2]	Ratio: 4.19 AA 18pt [2]	Ratio: 4.20 AA 18pt [2]
Hex(9A9775)	Ratio: 2.94 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 1.41 Failed [5]		Ratio: 1.37 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 2.42 Failed [5]	Ratio: 2.92 Failed [5]	Ratio: 2.97 Failed [5]	Ratio: 2.98 Failed [5]
Hex(B5B18F)	Ratio: 4.03 AA 18pt [2]	Ratio: 2.78 Failed [5]	Ratio: 1.93 Failed [5]	Ratio: 1.37 Failed [5]		Ratio: 1.35 Failed [5]	Ratio: 1.77 Failed [5]	Ratio: 2.14 Failed [5]	Ratio: 2.17 Failed [5]	Ratio: 2.18 Failed [5]
Hex(D1CDA9)	Ratio: 5.43 AA [1] AAA 18pt [4]	Ratio: 3.75 AA 18pt [2]	Ratio: 2.60 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 1.35 Failed [5]		Ratio: 1.31 Failed [5]	Ratio: 1.59 Failed [5]	Ratio: 1.61 Failed [5]	Ratio: 1.61 Failed [5]
Hex(EDE9C5)	Ratio: 7.12 Passed [6]	Ratio: 4.91 AA [1] AAA 18pt [4]	Ratio: 3.41 AA 18pt [2]	Ratio: 2.42 Failed [5]	Ratio: 1.77 Failed [5]	Ratio: 1.31 Failed [5]		Ratio: 1.21 Failed [5]	Ratio: 1.23 Failed [5]	Ratio: 1.23 Failed [5]
Hex(FFFFE1)	Ratio: 8.61 Passed [6]	Ratio: 5.94 AA [1] AAA 18pt [4]	Ratio: 4.12 AA 18pt [2]	Ratio: 2.92 Failed [5]	Ratio: 2.14 Failed [5]	Ratio: 1.59 Failed [5]	Ratio: 1.21 Failed [5]		Ratio: 1.02 Failed [5]	Ratio: 1.02 Failed [5]
Hex(FFFFFD)	Ratio: 8.75 Passed [6]	Ratio: 6.04 AA [1] AAA 18pt [4]	Ratio: 4.19 AA 18pt [2]	Ratio: 2.97 Failed [5]	Ratio: 2.17 Failed [5]	Ratio: 1.61 Failed [5]	Ratio: 1.23 Failed [5]	Ratio: 1.02 Failed [5]		Ratio: 1.00 Failed [5]
Hex(FFFFFF)	Ratio: 8.76 Passed [6]	Ratio: 6.05 AA [1] AAA 18pt [4]	Ratio: 4.20 AA 18pt [2]	Ratio: 2.98 Failed [5]	Ratio: 2.18 Failed [5]	Ratio: 1.61 Failed [5]	Ratio: 1.23 Failed [5]	Ratio: 1.02 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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