Converting Colors - WCAG Matrix

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

	Hex(DCBDA9)	Hex(C0A28F)	Hex(A48875)	Hex(8A6E5C)	Hex(705645)	Hex(573F2E)	Hex(3E2919)	Hex(291400)	Hex(070000)	Hex(000000)
Hex(DCBDA9)		Ratio: 1.35 Failed [5]	Ratio: 1.87 Failed [5]	Ratio: 2.66 Failed [5]	Ratio: 3.83 AA 18pt [2]	Ratio: 5.52 AA [1] AAA 18pt [4]	Ratio: 7.74 Passed [6]	Ratio: 9.96 Passed [6]	Ratio: 11.79 Passed [6]	Ratio: 11.89 Passed [6]
Hex(C0A28F)	Ratio: 1.35 Failed [5]		Ratio: 1.39 Failed [5]	Ratio: 1.97 Failed [5]	Ratio: 2.84 Failed [5]	Ratio: 4.08 AA 18pt [2]	Ratio: 5.73 AA [1] AAA 18pt [4]	Ratio: 7.37 Passed [6]	Ratio: 8.73 Passed [6]	Ratio: 8.81 Passed [6]
Hex(A48875)	Ratio: 1.87 Failed [5]	Ratio: 1.39 Failed [5]		Ratio: 1.42 Failed [5]	Ratio: 2.05 Failed [5]	Ratio: 2.95 Failed [5]	Ratio: 4.14 AA 18pt [2]	Ratio: 5.32 AA [1] AAA 18pt [4]	Ratio: 6.30 AA [1] AAA 18pt [4]	Ratio: 6.36 AA [1] AAA 18pt [4]
Hex(8A6E5C)	Ratio: 2.66 Failed [5]	Ratio: 1.97 Failed [5]	Ratio: 1.42 Failed [5]		Ratio: 1.44 Failed [5]	Ratio: 2.07 Failed [5]	Ratio: 2.91 Failed [5]	Ratio: 3.74 AA 18pt [2]	Ratio: 4.43 AA 18pt [2]	Ratio: 4.47 AA 18pt [2]
Hex(705645)	Ratio: 3.83 AA 18pt [2]	Ratio: 2.84 Failed [5]	Ratio: 2.05 Failed [5]	Ratio: 1.44 Failed [5]		Ratio: 1.44 Failed [5]	Ratio: 2.02 Failed [5]	Ratio: 2.60 Failed [5]	Ratio: 3.08 AA 18pt [2]	Ratio: 3.11 AA 18pt [2]
Hex(573F2E)	Ratio: 5.52 AA [1] AAA 18pt [4]	Ratio: 4.08 AA 18pt [2]	Ratio: 2.95 Failed [5]	Ratio: 2.07 Failed [5]	Ratio: 1.44 Failed [5]		Ratio: 1.40 Failed [5]	Ratio: 1.80 Failed [5]	Ratio: 2.14 Failed [5]	Ratio: 2.16 Failed [5]
Hex(3E2919)	Ratio: 7.74 Passed [6]	Ratio: 5.73 AA [1] AAA 18pt [4]	Ratio: 4.14 AA 18pt [2]	Ratio: 2.91 Failed [5]	Ratio: 2.02 Failed [5]	Ratio: 1.40 Failed [5]		Ratio: 1.29 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.54 Failed [5]
Hex(291400)	Ratio: 9.96 Passed [6]	Ratio: 7.37 Passed [6]	Ratio: 5.32 AA [1] AAA 18pt [4]	Ratio: 3.74 AA 18pt [2]	Ratio: 2.60 Failed [5]	Ratio: 1.80 Failed [5]	Ratio: 1.29 Failed [5]		Ratio: 1.18 Failed [5]	Ratio: 1.19 Failed [5]
Hex(070000)	Ratio: 11.79 Passed [6]	Ratio: 8.73 Passed [6]	Ratio: 6.30 AA [1] AAA 18pt [4]	Ratio: 4.43 AA 18pt [2]	Ratio: 3.08 AA 18pt [2]	Ratio: 2.14 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.18 Failed [5]		Ratio: 1.01 Failed [5]
Hex(000000)	Ratio: 11.89 Passed [6]	Ratio: 8.81 Passed [6]	Ratio: 6.36 AA [1] AAA 18pt [4]	Ratio: 4.47 AA 18pt [2]	Ratio: 3.11 AA 18pt [2]	Ratio: 2.16 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.01 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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