Converting Colors - WCAG Matrix

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

	Hex(663D3D)	Hex(805454)	Hex(9C6E6E)	Hex(B58787)	Hex(D1A1A1)	Hex(F0BDBA)	Hex(FFD9D6)	Hex(FFF5F2)	Hex(FFFFFF)
Hex(663D3D)		Ratio: 1.44 Failed [5]	Ratio: 2.12 Failed [5]	Ratio: 2.95 Failed [5]	Ratio: 4.05 AA 18pt [2]	Ratio: 5.52 AA [1] AAA 18pt [4]	Ratio: 7.02 Passed [6]	Ratio: 8.52 Passed [6]	Ratio: 9.13 Passed [6]
Hex(805454)	Ratio: 1.44 Failed [5]		Ratio: 1.47 Failed [5]	Ratio: 2.05 Failed [5]	Ratio: 2.81 Failed [5]	Ratio: 3.83 AA 18pt [2]	Ratio: 4.87 AA [1] AAA 18pt [4]	Ratio: 5.91 AA [1] AAA 18pt [4]	Ratio: 6.34 AA [1] AAA 18pt [4]
Hex(9C6E6E)	Ratio: 2.12 Failed [5]	Ratio: 1.47 Failed [5]		Ratio: 1.39 Failed [5]	Ratio: 1.91 Failed [5]	Ratio: 2.61 Failed [5]	Ratio: 3.32 AA 18pt [2]	Ratio: 4.02 AA 18pt [2]	Ratio: 4.31 AA 18pt [2]
Hex(B58787)	Ratio: 2.95 Failed [5]	Ratio: 2.05 Failed [5]	Ratio: 1.39 Failed [5]		Ratio: 1.38 Failed [5]	Ratio: 1.87 Failed [5]	Ratio: 2.38 Failed [5]	Ratio: 2.89 Failed [5]	Ratio: 3.10 AA 18pt [2]
Hex(D1A1A1)	Ratio: 4.05 AA 18pt [2]	Ratio: 2.81 Failed [5]	Ratio: 1.91 Failed [5]	Ratio: 1.38 Failed [5]		Ratio: 1.36 Failed [5]	Ratio: 1.73 Failed [5]	Ratio: 2.10 Failed [5]	Ratio: 2.25 Failed [5]
Hex(F0BDBA)	Ratio: 5.52 AA [1] AAA 18pt [4]	Ratio: 3.83 AA 18pt [2]	Ratio: 2.61 Failed [5]	Ratio: 1.87 Failed [5]	Ratio: 1.36 Failed [5]		Ratio: 1.27 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.65 Failed [5]
Hex(FFD9D6)	Ratio: 7.02 Passed [6]	Ratio: 4.87 AA [1] AAA 18pt [4]	Ratio: 3.32 AA 18pt [2]	Ratio: 2.38 Failed [5]	Ratio: 1.73 Failed [5]	Ratio: 1.27 Failed [5]		Ratio: 1.21 Failed [5]	Ratio: 1.30 Failed [5]
Hex(FFF5F2)	Ratio: 8.52 Passed [6]	Ratio: 5.91 AA [1] AAA 18pt [4]	Ratio: 4.02 AA 18pt [2]	Ratio: 2.89 Failed [5]	Ratio: 2.10 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.21 Failed [5]		Ratio: 1.07 Failed [5]
Hex(FFFFFF)	Ratio: 9.13 Passed [6]	Ratio: 6.34 AA [1] AAA 18pt [4]	Ratio: 4.31 AA 18pt [2]	Ratio: 3.10 AA 18pt [2]	Ratio: 2.25 Failed [5]	Ratio: 1.65 Failed [5]	Ratio: 1.30 Failed [5]	Ratio: 1.07 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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