Converting Colors - WCAG Matrix

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

	Hex(8C0E32)	Hex(8C1C3C)	Hex(8C2A46)	Hex(8C3850)	Hex(8C465A)	Hex(8C5464)	Hex(8C626E)	Hex(8C7078)	Hex(8C7E82)	Hex(8C8C8C)
Hex(8C0E32)		Ratio: 1.06 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.26 Failed [5]	Ratio: 1.41 Failed [5]	Ratio: 1.60 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 2.12 Failed [5]	Ratio: 2.44 Failed [5]	Ratio: 2.81 Failed [5]
Hex(8C1C3C)	Ratio: 1.06 Failed [5]		Ratio: 1.08 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.34 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.74 Failed [5]	Ratio: 2.00 Failed [5]	Ratio: 2.31 Failed [5]	Ratio: 2.66 Failed [5]
Hex(8C2A46)	Ratio: 1.14 Failed [5]	Ratio: 1.08 Failed [5]		Ratio: 1.10 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.41 Failed [5]	Ratio: 1.61 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 2.14 Failed [5]	Ratio: 2.46 Failed [5]
Hex(8C3850)	Ratio: 1.26 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.10 Failed [5]		Ratio: 1.12 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.68 Failed [5]	Ratio: 1.94 Failed [5]	Ratio: 2.23 Failed [5]
Hex(8C465A)	Ratio: 1.41 Failed [5]	Ratio: 1.34 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.12 Failed [5]		Ratio: 1.14 Failed [5]	Ratio: 1.30 Failed [5]	Ratio: 1.50 Failed [5]	Ratio: 1.73 Failed [5]	Ratio: 1.99 Failed [5]
Hex(8C5464)	Ratio: 1.60 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.41 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.14 Failed [5]		Ratio: 1.15 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.75 Failed [5]
Hex(8C626E)	Ratio: 1.84 Failed [5]	Ratio: 1.74 Failed [5]	Ratio: 1.61 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.30 Failed [5]	Ratio: 1.15 Failed [5]		Ratio: 1.15 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.53 Failed [5]
Hex(8C7078)	Ratio: 2.12 Failed [5]	Ratio: 2.00 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 1.68 Failed [5]	Ratio: 1.50 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.15 Failed [5]		Ratio: 1.15 Failed [5]	Ratio: 1.33 Failed [5]
Hex(8C7E82)	Ratio: 2.44 Failed [5]	Ratio: 2.31 Failed [5]	Ratio: 2.14 Failed [5]	Ratio: 1.94 Failed [5]	Ratio: 1.73 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.15 Failed [5]		Ratio: 1.15 Failed [5]
Hex(8C8C8C)	Ratio: 2.81 Failed [5]	Ratio: 2.66 Failed [5]	Ratio: 2.46 Failed [5]	Ratio: 2.23 Failed [5]	Ratio: 1.99 Failed [5]	Ratio: 1.75 Failed [5]	Ratio: 1.53 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.15 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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