Converting Colors - WCAG Matrix

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

	Hex(000033)	Hex(050533)	Hex(0A0A33)	Hex(0F0F33)	Hex(141433)	Hex(1A1A33)	Hex(1F1F33)	Hex(242433)	Hex(292933)	Hex(2E2E33)
Hex(000033)		Ratio: 1.03 Failed [5]	Ratio: 1.05 Failed [5]	Ratio: 1.08 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.31 Failed [5]	Ratio: 1.39 Failed [5]	Ratio: 1.48 Failed [5]
Hex(050533)	Ratio: 1.03 Failed [5]		Ratio: 1.03 Failed [5]	Ratio: 1.06 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.44 Failed [5]
Hex(0A0A33)	Ratio: 1.05 Failed [5]	Ratio: 1.03 Failed [5]		Ratio: 1.03 Failed [5]	Ratio: 1.07 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.25 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.41 Failed [5]
Hex(0F0F33)	Ratio: 1.08 Failed [5]	Ratio: 1.06 Failed [5]	Ratio: 1.03 Failed [5]		Ratio: 1.04 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.37 Failed [5]
Hex(141433)	Ratio: 1.12 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.07 Failed [5]	Ratio: 1.04 Failed [5]		Ratio: 1.05 Failed [5]	Ratio: 1.11 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.32 Failed [5]
Hex(1A1A33)	Ratio: 1.18 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.05 Failed [5]		Ratio: 1.05 Failed [5]	Ratio: 1.11 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.25 Failed [5]
Hex(1F1F33)	Ratio: 1.24 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.11 Failed [5]	Ratio: 1.05 Failed [5]		Ratio: 1.06 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.19 Failed [5]
Hex(242433)	Ratio: 1.31 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.25 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.11 Failed [5]	Ratio: 1.06 Failed [5]		Ratio: 1.06 Failed [5]	Ratio: 1.13 Failed [5]
Hex(292933)	Ratio: 1.39 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.06 Failed [5]		Ratio: 1.07 Failed [5]
Hex(2E2E33)	Ratio: 1.48 Failed [5]	Ratio: 1.44 Failed [5]	Ratio: 1.41 Failed [5]	Ratio: 1.37 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.25 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.13 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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