Converting Colors - WCAG Matrix

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

	Hex(66E3FF)	Hex(47DEFF)	Hex(6696FF)	Hex(737D80)	Hex(009CBF)	Hex(003340)
Hex(66E3FF)		Ratio: 1.06 Failed [5]	Ratio: 1.90 Failed [5]	Ratio: 2.81 Failed [5]	Ratio: 2.15 Failed [5]	Ratio: 9.04 Passed [6]
Hex(47DEFF)	Ratio: 1.06 Failed [5]		Ratio: 1.79 Failed [5]	Ratio: 2.65 Failed [5]	Ratio: 2.02 Failed [5]	Ratio: 8.50 Passed [6]
Hex(6696FF)	Ratio: 1.90 Failed [5]	Ratio: 1.79 Failed [5]		Ratio: 1.48 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 4.76 AA [1] AAA 18pt [4]
Hex(737D80)	Ratio: 2.81 Failed [5]	Ratio: 2.65 Failed [5]	Ratio: 1.48 Failed [5]		Ratio: 1.31 Failed [5]	Ratio: 3.21 AA 18pt [2]
Hex(009CBF)	Ratio: 2.15 Failed [5]	Ratio: 2.02 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 1.31 Failed [5]		Ratio: 4.21 AA 18pt [2]
Hex(003340)	Ratio: 9.04 Passed [6]	Ratio: 8.50 Passed [6]	Ratio: 4.76 AA [1] AAA 18pt [4]	Ratio: 3.21 AA 18pt [2]	Ratio: 4.21 AA 18pt [2]	

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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