Converting Colors - WCAG Matrix

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

	Hex(9832FE)	Hex(A44BFE)	Hex(B164FE)	Hex(BE7EFE)	Hex(CA97FE)	Hex(D7B0FE)	Hex(E4CAFE)	Hex(F0E3FE)	Hex(FDFDFE)	Hex(FFFFFE)
Hex(9832FE)		Ratio: 1.19 Failed [5]	Ratio: 1.45 Failed [5]	Ratio: 1.80 Failed [5]	Ratio: 2.22 Failed [5]	Ratio: 2.73 Failed [5]	Ratio: 3.36 AA 18pt [2]	Ratio: 4.06 AA 18pt [2]	Ratio: 4.89 AA [1] AAA 18pt [4]	Ratio: 4.97 AA [1] AAA 18pt [4]
Hex(A44BFE)	Ratio: 1.19 Failed [5]		Ratio: 1.22 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.87 Failed [5]	Ratio: 2.30 Failed [5]	Ratio: 2.83 Failed [5]	Ratio: 3.41 AA 18pt [2]	Ratio: 4.12 AA 18pt [2]	Ratio: 4.18 AA 18pt [2]
Hex(B164FE)	Ratio: 1.45 Failed [5]	Ratio: 1.22 Failed [5]		Ratio: 1.24 Failed [5]	Ratio: 1.53 Failed [5]	Ratio: 1.88 Failed [5]	Ratio: 2.32 Failed [5]	Ratio: 2.80 Failed [5]	Ratio: 3.37 AA 18pt [2]	Ratio: 3.43 AA 18pt [2]
Hex(BE7EFE)	Ratio: 1.80 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.24 Failed [5]		Ratio: 1.23 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 2.25 Failed [5]	Ratio: 2.72 Failed [5]	Ratio: 2.76 Failed [5]
Hex(CA97FE)	Ratio: 2.22 Failed [5]	Ratio: 1.87 Failed [5]	Ratio: 1.53 Failed [5]	Ratio: 1.23 Failed [5]		Ratio: 1.23 Failed [5]	Ratio: 1.51 Failed [5]	Ratio: 1.83 Failed [5]	Ratio: 2.20 Failed [5]	Ratio: 2.24 Failed [5]
Hex(D7B0FE)	Ratio: 2.73 Failed [5]	Ratio: 2.30 Failed [5]	Ratio: 1.88 Failed [5]	Ratio: 1.52 Failed [5]	Ratio: 1.23 Failed [5]		Ratio: 1.23 Failed [5]	Ratio: 1.49 Failed [5]	Ratio: 1.79 Failed [5]	Ratio: 1.82 Failed [5]
Hex(E4CAFE)	Ratio: 3.36 AA 18pt [2]	Ratio: 2.83 Failed [5]	Ratio: 2.32 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 1.51 Failed [5]	Ratio: 1.23 Failed [5]		Ratio: 1.21 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.48 Failed [5]
Hex(F0E3FE)	Ratio: 4.06 AA 18pt [2]	Ratio: 3.41 AA 18pt [2]	Ratio: 2.80 Failed [5]	Ratio: 2.25 Failed [5]	Ratio: 1.83 Failed [5]	Ratio: 1.49 Failed [5]	Ratio: 1.21 Failed [5]		Ratio: 1.21 Failed [5]	Ratio: 1.23 Failed [5]
Hex(FDFDFE)	Ratio: 4.89 AA [1] AAA 18pt [4]	Ratio: 4.12 AA 18pt [2]	Ratio: 3.37 AA 18pt [2]	Ratio: 2.72 Failed [5]	Ratio: 2.20 Failed [5]	Ratio: 1.79 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.21 Failed [5]		Ratio: 1.02 Failed [5]
Hex(FFFFFE)	Ratio: 4.97 AA [1] AAA 18pt [4]	Ratio: 4.18 AA 18pt [2]	Ratio: 3.43 AA 18pt [2]	Ratio: 2.76 Failed [5]	Ratio: 2.24 Failed [5]	Ratio: 1.82 Failed [5]	Ratio: 1.48 Failed [5]	Ratio: 1.23 Failed [5]	Ratio: 1.02 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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