Converting Colors - WCAG Matrix

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

	Hex(363636)	Hex(4C4C4C)	Hex(646464)	Hex(7D7D7D)	Hex(979797)	Hex(B2B2B2)	Hex(CDCDCD)	Hex(E9E9E9)	Hex(FFFFFF)
Hex(363636)		Ratio: 1.41 Failed [5]	Ratio: 2.04 Failed [5]	Ratio: 2.94 Failed [5]	Ratio: 4.14 AA 18pt [2]	Ratio: 5.70 AA [1] AAA 18pt [4]	Ratio: 7.60 Passed [6]	Ratio: 9.95 Passed [6]	Ratio: 12.08 Passed [6]
Hex(4C4C4C)	Ratio: 1.41 Failed [5]		Ratio: 1.45 Failed [5]	Ratio: 2.09 Failed [5]	Ratio: 2.94 Failed [5]	Ratio: 4.05 AA 18pt [2]	Ratio: 5.40 AA [1] AAA 18pt [4]	Ratio: 7.07 Passed [6]	Ratio: 8.59 Passed [6]
Hex(646464)	Ratio: 2.04 Failed [5]	Ratio: 1.45 Failed [5]		Ratio: 1.44 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 2.79 Failed [5]	Ratio: 3.72 AA 18pt [2]	Ratio: 4.87 AA [1] AAA 18pt [4]	Ratio: 5.92 AA [1] AAA 18pt [4]
Hex(7D7D7D)	Ratio: 2.94 Failed [5]	Ratio: 2.09 Failed [5]	Ratio: 1.44 Failed [5]		Ratio: 1.41 Failed [5]	Ratio: 1.94 Failed [5]	Ratio: 2.59 Failed [5]	Ratio: 3.39 AA 18pt [2]	Ratio: 4.12 AA 18pt [2]
Hex(979797)	Ratio: 4.14 AA 18pt [2]	Ratio: 2.94 Failed [5]	Ratio: 2.03 Failed [5]	Ratio: 1.41 Failed [5]		Ratio: 1.38 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 2.41 Failed [5]	Ratio: 2.92 Failed [5]
Hex(B2B2B2)	Ratio: 5.70 AA [1] AAA 18pt [4]	Ratio: 4.05 AA 18pt [2]	Ratio: 2.79 Failed [5]	Ratio: 1.94 Failed [5]	Ratio: 1.38 Failed [5]		Ratio: 1.33 Failed [5]	Ratio: 1.75 Failed [5]	Ratio: 2.12 Failed [5]
Hex(CDCDCD)	Ratio: 7.60 Passed [6]	Ratio: 5.40 AA [1] AAA 18pt [4]	Ratio: 3.72 AA 18pt [2]	Ratio: 2.59 Failed [5]	Ratio: 1.84 Failed [5]	Ratio: 1.33 Failed [5]		Ratio: 1.31 Failed [5]	Ratio: 1.59 Failed [5]
Hex(E9E9E9)	Ratio: 9.95 Passed [6]	Ratio: 7.07 Passed [6]	Ratio: 4.87 AA [1] AAA 18pt [4]	Ratio: 3.39 AA 18pt [2]	Ratio: 2.41 Failed [5]	Ratio: 1.75 Failed [5]	Ratio: 1.31 Failed [5]		Ratio: 1.21 Failed [5]
Hex(FFFFFF)	Ratio: 12.08 Passed [6]	Ratio: 8.59 Passed [6]	Ratio: 5.92 AA [1] AAA 18pt [4]	Ratio: 4.12 AA 18pt [2]	Ratio: 2.92 Failed [5]	Ratio: 2.12 Failed [5]	Ratio: 1.59 Failed [5]	Ratio: 1.21 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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