Converting Colors - WCAG Matrix

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

	Hex(303030)	Hex(303535)	Hex(303A3A)	Hex(303E3E)	Hex(304343)	Hex(304848)	Hex(304D4D)	Hex(305252)	Hex(305656)	Hex(305B5B)
Hex(303030)		Ratio: 1.06 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.26 Failed [5]	Ratio: 1.35 Failed [5]	Ratio: 1.44 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.63 Failed [5]	Ratio: 1.74 Failed [5]
Hex(303535)	Ratio: 1.06 Failed [5]		Ratio: 1.06 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.27 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.64 Failed [5]
Hex(303A3A)	Ratio: 1.13 Failed [5]	Ratio: 1.06 Failed [5]		Ratio: 1.05 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.20 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.37 Failed [5]	Ratio: 1.45 Failed [5]	Ratio: 1.55 Failed [5]
Hex(303E3E)	Ratio: 1.18 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.05 Failed [5]		Ratio: 1.07 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.30 Failed [5]	Ratio: 1.38 Failed [5]	Ratio: 1.47 Failed [5]
Hex(304343)	Ratio: 1.26 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.07 Failed [5]		Ratio: 1.07 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.29 Failed [5]	Ratio: 1.38 Failed [5]
Hex(304848)	Ratio: 1.35 Failed [5]	Ratio: 1.27 Failed [5]	Ratio: 1.20 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.07 Failed [5]		Ratio: 1.07 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.29 Failed [5]
Hex(304D4D)	Ratio: 1.44 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.07 Failed [5]		Ratio: 1.07 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 1.21 Failed [5]
Hex(305252)	Ratio: 1.54 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.37 Failed [5]	Ratio: 1.30 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.07 Failed [5]		Ratio: 1.06 Failed [5]	Ratio: 1.13 Failed [5]
Hex(305656)	Ratio: 1.63 Failed [5]	Ratio: 1.54 Failed [5]	Ratio: 1.45 Failed [5]	Ratio: 1.38 Failed [5]	Ratio: 1.29 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 1.06 Failed [5]		Ratio: 1.07 Failed [5]
Hex(305B5B)	Ratio: 1.74 Failed [5]	Ratio: 1.64 Failed [5]	Ratio: 1.55 Failed [5]	Ratio: 1.47 Failed [5]	Ratio: 1.38 Failed [5]	Ratio: 1.29 Failed [5]	Ratio: 1.21 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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