Converting Colors - WCAG Matrix

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

	Hex(232323)	Hex(232727)	Hex(232A2A)	Hex(232E2E)	Hex(233131)	Hex(233535)	Hex(233838)	Hex(233C3C)	Hex(233F3F)	Hex(234343)
Hex(232323)		Ratio: 1.04 Failed [5]	Ratio: 1.07 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.16 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.27 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.39 Failed [5]	Ratio: 1.46 Failed [5]
Hex(232727)	Ratio: 1.04 Failed [5]		Ratio: 1.03 Failed [5]	Ratio: 1.08 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.41 Failed [5]
Hex(232A2A)	Ratio: 1.07 Failed [5]	Ratio: 1.03 Failed [5]		Ratio: 1.05 Failed [5]	Ratio: 1.08 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.29 Failed [5]	Ratio: 1.36 Failed [5]
Hex(232E2E)	Ratio: 1.12 Failed [5]	Ratio: 1.08 Failed [5]	Ratio: 1.05 Failed [5]		Ratio: 1.04 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.23 Failed [5]	Ratio: 1.30 Failed [5]
Hex(233131)	Ratio: 1.16 Failed [5]	Ratio: 1.12 Failed [5]	Ratio: 1.08 Failed [5]	Ratio: 1.04 Failed [5]		Ratio: 1.05 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.26 Failed [5]
Hex(233535)	Ratio: 1.22 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.05 Failed [5]		Ratio: 1.04 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.20 Failed [5]
Hex(233838)	Ratio: 1.27 Failed [5]	Ratio: 1.22 Failed [5]	Ratio: 1.18 Failed [5]	Ratio: 1.13 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.04 Failed [5]		Ratio: 1.05 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.15 Failed [5]
Hex(233C3C)	Ratio: 1.33 Failed [5]	Ratio: 1.28 Failed [5]	Ratio: 1.24 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.05 Failed [5]		Ratio: 1.04 Failed [5]	Ratio: 1.10 Failed [5]
Hex(233F3F)	Ratio: 1.39 Failed [5]	Ratio: 1.33 Failed [5]	Ratio: 1.29 Failed [5]	Ratio: 1.23 Failed [5]	Ratio: 1.19 Failed [5]	Ratio: 1.14 Failed [5]	Ratio: 1.09 Failed [5]	Ratio: 1.04 Failed [5]		Ratio: 1.05 Failed [5]
Hex(234343)	Ratio: 1.46 Failed [5]	Ratio: 1.41 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.30 Failed [5]	Ratio: 1.26 Failed [5]	Ratio: 1.20 Failed [5]	Ratio: 1.15 Failed [5]	Ratio: 1.10 Failed [5]	Ratio: 1.05 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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