

Converting Colors - WCAG Matrix

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

	Hex(18191A)	Hex(FBFCFC)	Hex(434444)	Hex(5B5C5C)	Hex(737474)	Hex(8D8E8E)	Hex(A7A8A8)	Hex(C2C3C4)	Hex(DEDFE0)
Hex(18191A)		Ratio: 17.13 Passed ⁶	Ratio: 1.80 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 9.97 Passed ⁶	Ratio: 13.19 Passed ⁶
Hex(FBFCFC)	Ratio: 17.13 Passed ⁶		Ratio: 9.51 Passed ⁶	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(434444)	Ratio: 1.80 Failed ⁵	Ratio: 9.51 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶
Hex(5B5C5C)	Ratio: 2.62 Failed ⁵	Ratio: 6.53 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴
Hex(737474)	Ratio: 3.76 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(8D8E8E)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(A7A8A8)	Ratio: 7.39 Passed ⁶	Ratio: 2.32 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(C2C3C4)	Ratio: 9.97 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(DEDFE0)	Ratio: 13.19 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 7.32 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 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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