

Converting Colors - WCAG Matrix

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

	Hex(1E2224)	Hex(FFFFFF)	Hex(4A4E50)	Hex(626668)	Hex(7A7F81)	Hex(94999B)	Hex(AFB4B6)	Hex(CACFD2)	Hex(E6ECEE)
Hex(1E2224)		Ratio: 16.04 Passed ⁶	Ratio: 1.91 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.44 Passed ⁶
Hex(FFFFFF)	Ratio: 16.04 Passed ⁶		Ratio: 8.41 Passed ⁶	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(4A4E50)	Ratio: 1.91 Failed ⁵	Ratio: 8.41 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶
Hex(626668)	Ratio: 2.76 Failed ⁵	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(7A7F81)	Ratio: 3.96 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(94999B)	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 2.88 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(AFB4B6)	Ratio: 7.66 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(CACFD2)	Ratio: 10.21 Passed ⁶	Ratio: 1.57 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E6ECEE)	Ratio: 13.44 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 7.05 Passed ⁶	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 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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