

Converting Colors - WCAG Matrix

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

	Hex(CECDD9)	Hex(B2B2BD)	Hex(9897A2)	Hex(7E7D88)	Hex(65646F)	Hex(4D4C56)	Hex(36363F)	Hex(212029)	Hex(0A0915)	Hex(000000)
Hex(CECDD9)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.61 Passed ⁶	Ratio: 10.25 Passed ⁶	Ratio: 12.57 Passed ⁶	Ratio: 13.36 Passed ⁶
Hex(B2B2BD)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.41 Passed ⁶	Ratio: 10.00 Passed ⁶
Hex(9897A2)	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶
Hex(7E7D88)	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 5.18 AA ¹ AAA 18pt ⁴
Hex(65646F)	Ratio: 3.70 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.61 AA 18pt ²
Hex(4D4C56)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(36363F)	Ratio: 7.61 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(212029)	Ratio: 10.25 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(0A0915)	Ratio: 12.57 Passed ⁶	Ratio: 9.41 Passed ⁶	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 13.36 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 7.28 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 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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