

Converting Colors - WCAG Matrix

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

	Hex(02020A)	Hex(1C1D21)	Hex(313136)	Hex(48484D)	Hex(5F6065)	Hex(78787E)	Hex(929298)	Hex(ACADB2)	Hex(C8C8CE)	Hex(E4E4EA)
Hex(02020A)		Ratio: 1.23 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 9.23 Passed ⁶	Ratio: 12.42 Passed ⁶	Ratio: 16.33 Passed ⁶
Hex(1C1D21)	Ratio: 1.23 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 13.30 Passed ⁶
Hex(313136)	Ratio: 1.60 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 10.22 Passed ⁶
Hex(48484D)	Ratio: 2.27 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶
Hex(5F6065)	Ratio: 3.30 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(78787E)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.46 AA 18pt ²
Hex(929298)	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(ACADB2)	Ratio: 9.23 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(C8C8CE)	Ratio: 12.42 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(E4E4EA)	Ratio: 16.33 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 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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