

Converting Colors - WCAG Matrix

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

	Hex(CCBDE3)	Hex(B0A3C7)	Hex(9687AB)	Hex(7D6E91)	Hex(615778)	Hex(4A3D5E)	Hex(332947)	Hex(1C1430)	Hex(03001C)	Hex(000000)
Hex(CCBDE3)		Ratio: 1.34 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.03 Passed ⁶	Ratio: 11.71 Passed ⁶	Ratio: 11.96 Passed ⁶
Hex(B0A3C7)	Ratio: 1.34 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 8.73 Passed ⁶	Ratio: 8.91 Passed ⁶
Hex(9687AB)	Ratio: 1.88 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 4.10 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 6.35 AA ¹ AAA 18pt ⁴
Hex(7D6E91)	Ratio: 2.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(615778)	Ratio: 3.80 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.14 AA 18pt ²
Hex(4A3D5E)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.20 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(332947)	Ratio: 7.72 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(1C1430)	Ratio: 10.03 Passed ⁶	Ratio: 7.47 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(03001C)	Ratio: 11.71 Passed ⁶	Ratio: 8.73 Passed ⁶	Ratio: 6.22 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 11.96 Passed ⁶	Ratio: 8.91 Passed ⁶	Ratio: 6.35 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.02 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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