

Converting Colors - WCAG Matrix

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

	Hex(CCBFD2)	Hex(B1A4B6)	Hex(968A9C)	Hex(7C7082)	Hex(635868)	Hex(4B4050)	Hex(342A39)	Hex(1F1624)	Hex(02000E)	Hex(000000)
Hex(CCBFD2)		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.78 Passed ⁶	Ratio: 9.97 Passed ⁶	Ratio: 11.84 Passed ⁶	Ratio: 11.95 Passed ⁶
Hex(B1A4B6)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 7.39 Passed ⁶	Ratio: 8.78 Passed ⁶	Ratio: 8.85 Passed ⁶
Hex(968A9C)	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(7C7082)	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(635868)	Ratio: 3.82 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.13 AA 18pt ²
Hex(4B4050)	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(342A39)	Ratio: 7.78 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(1F1624)	Ratio: 9.97 Passed ⁶	Ratio: 7.39 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(02000E)	Ratio: 11.84 Passed ⁶	Ratio: 8.78 Passed ⁶	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 11.95 Passed ⁶	Ratio: 8.85 Passed ⁶	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.01 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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