

Converting Colors - WCAG Matrix

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

	Hex(B1A0AF)	Hex(968694)	Hex(7C6D7B)	Hex(635462)	Hex(4B3D4A)	Hex(352733)	Hex(1F131E)	Hex(000004)	Hex(000000)
Hex(B1A0AF)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 8.50 Passed ⁶	Ratio: 8.52 Passed ⁶
Hex(968694)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 6.13 AA ¹ AAA 18pt ⁴
Hex(7C6D7B)	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.32 AA 18pt ²	Ratio: 4.33 AA 18pt ²
Hex(635462)	Ratio: 2.86 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(4B3D4A)	Ratio: 4.12 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(352733)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(1F131E)	Ratio: 7.28 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(000004)	Ratio: 8.50 Passed ⁶	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 8.52 Passed ⁶	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 4.33 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.00 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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