

Converting Colors - WCAG Matrix

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

	Hex(CDA8E1)	Hex(B18EC4)	Hex(9674A9)	Hex(7C5B8F)	Hex(624375)	Hex(4A2C5C)	Hex(321744)	Hex(1D002E)	Hex(000118)	Hex(000000)
Hex(CDA8E1)		Ratio: 1.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.42 Passed ⁶	Ratio: 10.11 Passed ⁶	Ratio: 10.28 Passed ⁶
Hex(B18EC4)	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 7.54 Passed ⁶
Hex(9674A9)	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 5.37 AA ¹ AAA 18pt ⁴
Hex(7C5B8F)	Ratio: 2.74 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.75 AA 18pt ²
Hex(624375)	Ratio: 3.99 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.58 Failed ⁵
Hex(4A2C5C)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(321744)	Ratio: 7.67 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(1D002E)	Ratio: 9.42 Passed ⁶	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(000118)	Ratio: 10.11 Passed ⁶	Ratio: 7.41 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 10.28 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.09 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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