

Converting Colors - WCAG Matrix

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

	Hex(E1C3EB)	Hex(C5A8CF)	Hex(A98DB3)	Hex(8F7498)	Hex(755B7E)	Hex(5C4365)	Hex(442D4D)	Hex(2D1736)	Hex(1B0021)	Hex(000007)
Hex(E1C3EB)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.36 Passed ⁶	Ratio: 13.17 Passed ⁶
Hex(C5A8CF)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 9.85 Passed ⁶
Hex(A98DB3)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶
Hex(8F7498)	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 5.10 AA ¹ AAA 18pt ⁴
Hex(755B7E)	Ratio: 3.72 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.54 AA 18pt ²
Hex(5C4365)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(442D4D)	Ratio: 7.64 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(2D1736)	Ratio: 10.26 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(1B0021)	Ratio: 12.36 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000007)	Ratio: 13.17 Passed ⁶	Ratio: 9.85 Passed ⁶	Ratio: 7.13 Passed ⁶	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.07 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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