

Converting Colors - WCAG Matrix

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

	Hex(080014)	Hex(E8DFF4)	Hex(342D3E)	Hex(4B4455)	Hex(635B6D)	Hex(7C7487)	Hex(968DA1)	Hex(B1A8BC)	Hex(CCC3D8)
Hex(080014)		Ratio: 15.97 Passed ⁶	Ratio: 1.56 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 9.01 Passed ⁶	Ratio: 12.12 Passed ⁶
Hex(E8DFF4)	Ratio: 15.97 Passed ⁶		Ratio: 10.24 Passed ⁶	Ratio: 7.22 Passed ⁶	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(342D3E)	Ratio: 1.56 Failed ⁵	Ratio: 10.24 Passed ⁶		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶
Hex(4B4455)	Ratio: 2.21 Failed ⁵	Ratio: 7.22 Passed ⁶	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴
Hex(635B6D)	Ratio: 3.18 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.81 AA 18pt ²
Hex(7C7487)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(968DA1)	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 2.46 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(B1A8BC)	Ratio: 9.01 Passed ⁶	Ratio: 1.77 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(CCC3D8)	Ratio: 12.12 Passed ⁶	Ratio: 1.32 Failed ⁵	Ratio: 7.77 Passed ⁶	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.34 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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