

Converting Colors - WCAG Matrix

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

	Hex(01002C)	Hex(E6E2FF)	Hex(2E305A)	Hex(464673)	Hex(5F5E8C)	Hex(7877A7)	Hex(9390C2)	Hex(AEABDE)	Hex(C9C6FB)
Hex(01002C)		Ratio: 16.08 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 9.33 Passed ⁶	Ratio: 12.48 Passed ⁶
Hex(E6E2FF)	Ratio: 16.08 Passed ⁶		Ratio: 9.89 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(2E305A)	Ratio: 1.63 Failed ⁵	Ratio: 9.89 Passed ⁶		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶
Hex(464673)	Ratio: 2.30 Failed ⁵	Ratio: 7.00 Passed ⁶	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴
Hex(5F5E8C)	Ratio: 3.34 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.74 AA 18pt ²
Hex(7877A7)	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(9390C2)	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 2.38 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(AEABDE)	Ratio: 9.33 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(C9C6FB)	Ratio: 12.48 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 7.68 Passed ⁶	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 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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