

Converting Colors - WCAG Matrix

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

	Hex(D2C8FF)	Hex(B6ADE2)	Hex(9B92C6)	Hex(8078AB)	Hex(676090)	Hex(4E4876)	Hex(36315D)	Hex(1E1C46)	Hex(09032F)	Hex(00011A)
Hex(D2C8FF)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 12.62 Passed ⁶	Ratio: 13.19 Passed ⁶
Hex(B6ADE2)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 9.45 Passed ⁶	Ratio: 9.88 Passed ⁶
Hex(9B92C6)	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶
Hex(8078AB)	Ratio: 2.59 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(676090)	Ratio: 3.68 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 3.58 AA 18pt ²
Hex(4E4876)	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(36315D)	Ratio: 7.67 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(1E1C46)	Ratio: 10.27 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(09032F)	Ratio: 12.62 Passed ⁶	Ratio: 9.45 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(00011A)	Ratio: 13.19 Passed ⁶	Ratio: 9.88 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 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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