

Converting Colors - WCAG Matrix

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

	Hex(000449)	Hex(FDE3FF)	Hex(3C2F7B)	Hex(564695)	Hex(715EB0)	Hex(8C77CB)	Hex(A791E8)	Hex(C3ABFF)	Hex(E0C7FF)
Hex(000449)		Ratio: 15.81 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 12.38 Passed ⁶
Hex(FDE3FF)	Ratio: 15.81 Passed ⁶		Ratio: 9.34 Passed ⁶	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 4.48 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(3C2F7B)	Ratio: 1.69 Failed ⁵	Ratio: 9.34 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.31 Passed ⁶
Hex(564695)	Ratio: 2.43 Failed ⁵	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.91 AA ¹ AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(715EB0)	Ratio: 3.53 AA 18pt ²	Ratio: 4.48 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(8C77CB)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(A791E8)	Ratio: 7.06 Passed ⁶	Ratio: 2.24 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(C3ABFF)	Ratio: 9.51 Passed ⁶	Ratio: 1.66 Failed ⁵	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(E0C7FF)	Ratio: 12.38 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 7.31 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 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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