

Converting Colors - WCAG Matrix

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

Hex(AA52B2) Hex(8E3797) Hex(731B7D) Hex(590064) Hex(3F004B) Hex(FFFFFF)

	Hex(AA52B2)	Hex(8E3797)	Hex(731B7D)	Hex(590064)	Hex(3F004B)	Hex(FFFFFF)
Hex(AA52B2)		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(8E3797)	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 6.68 AA ¹ AAA 18pt ⁴
Hex(731B7D)	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 9.63 Passed ⁶
Hex(590064)	Ratio: 2.83 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 13.05 Passed ⁶
Hex(3F004B)	Ratio: 3.47 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 15.99 Passed ⁶
Hex(FFFFFF)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 9.63 Passed ⁶	Ratio: 13.05 Passed ⁶	Ratio: 15.99 Passed ⁶	

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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