

Converting Colors - WCAG Matrix

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

	Hex(AA7EB3)	Hex(8F6598)	Hex(754C7E)	Hex(5C3565)	Hex(431E4D)	Hex(2C0836)	Hex(190021)	Hex(000005)	Hex(000000)
Hex(AA7EB3)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴
Hex(8F6598)	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.22 AA 18pt ²	Ratio: 4.47 AA 18pt ²	Ratio: 4.48 AA 18pt ²
Hex(754C7E)	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.09 AA 18pt ²
Hex(5C3565)	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(431E4D)	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(2C0836)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(190021)	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 4.22 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(000005)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.47 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 4.48 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.00 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.

This PDF was generated on convertingcolors.com.