

Converting Colors - WCAG Matrix

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

Hex(E700A9) Hex(FFB3EA) Hex(3E00E7) Hex(805273) Hex(000000) Hex(808080)

	Hex(E700A9)	Hex(FFB3EA)	Hex(3E00E7)	Hex(805273)	Hex(000000)	Hex(808080)
Hex(E700A9)		Ratio: 2.59 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(FFB3EA)	Ratio: 2.59 Failed ⁵		Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 12.89 Passed ⁶	Ratio: 2.42 Failed ⁵
Hex(3E00E7)	Ratio: 2.11 Failed ⁵	Ratio: 5.46 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(805273)	Ratio: 1.47 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 3.37 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(000000)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 12.89 Passed ⁶	Ratio: 2.36 Failed ⁵	Ratio: 3.37 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.07 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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