

Converting Colors - WCAG Matrix

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

Hex(E801C4) Hex(FFB3F3) Hex(2300E8) Hex(805278) Hex(000000) Hex(808080)

	Hex(E801C4)	Hex(FFB3F3)	Hex(2300E8)	Hex(805278)	Hex(000000)	Hex(808080)
Hex(E801C4)		Ratio: 2.48 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(FFB3F3)	Ratio: 2.48 Failed ⁵		Ratio: 5.81 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 12.99 Passed ⁶	Ratio: 2.44 Failed ⁵
Hex(2300E8)	Ratio: 2.34 Failed ⁵	Ratio: 5.81 AA ¹ AAA 18pt ⁴		Ratio: 1.52 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(805278)	Ratio: 1.54 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 1.52 Failed ⁵		Ratio: 3.40 AA 18pt ²	Ratio: 1.57 Failed ⁵
Hex(000000)	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 12.99 Passed ⁶	Ratio: 2.24 Failed ⁵	Ratio: 3.40 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.02 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.57 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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