

Converting Colors - WCAG Matrix

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

Hex(F7478C) Hex(FFC9DE) Hex(B147F7) Hex(80606C) Hex(000000) Hex(808080)

	Hex(F7478C)	Hex(FFC9DE)	Hex(B147F7)	Hex(80606C)	Hex(000000)	Hex(808080)
Hex(F7478C)		Ratio: 2.35 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵
Hex(FFC9DE)	Ratio: 2.35 Failed ⁵		Ratio: 2.87 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 14.66 Passed ⁶	Ratio: 2.76 Failed ⁵
Hex(B147F7)	Ratio: 1.22 Failed ⁵	Ratio: 2.87 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵
Hex(80606C)	Ratio: 1.64 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 1.34 Failed ⁵		Ratio: 3.81 AA 18pt ²	Ratio: 1.40 Failed ⁵
Hex(000000)	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 14.66 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.17 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.40 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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