

Converting Colors - WCAG Matrix

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

Hex(FF7B91) Hex(FF617B) Hex(7BD3FF) Hex(807375) Hex(BF0020) Hex(40000B)

	Hex(FF7B91)	Hex(FF617B)	Hex(7BD3FF)	Hex(807375)	Hex(BF0020)	Hex(40000B)
Hex(FF7B91)		Ratio: 1.17 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(FF617B)	Ratio: 1.17 Failed ⁵		Ratio: 1.74 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 5.93 AA ¹ AAA 18pt ⁴
Hex(7BD3FF)	Ratio: 1.48 Failed ⁵	Ratio: 1.74 Failed ⁵		Ratio: 2.72 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 10.31 Passed ⁶
Hex(807375)	Ratio: 1.84 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 2.72 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 3.78 AA 18pt ²
Hex(BF0020)	Ratio: 2.62 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 2.65 Failed ⁵
Hex(40000B)	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 10.31 Passed ⁶	Ratio: 3.78 AA 18pt ²	Ratio: 2.65 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.

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