

Converting Colors - WCAG Matrix

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

Hex(FFF2F8) Hex(FFF0F7) Hex(FFFFFF2) Hex(80777B) Hex(BF0059) Hex(40001E)

Hex(FFF2F8)		Ratio: 1.01 Failed⁵	Ratio: 1.08 Failed⁵	Ratio: 3.99 AA 18pt²	Ratio: 5.75 AA¹ AAA 18pt⁴	Ratio: 15.61 Passed⁶
Hex(FFF0F7)	Ratio: 1.01 Failed⁵		Ratio: 1.09 Failed⁵	Ratio: 3.94 AA 18pt²	Ratio: 5.67 AA¹ AAA 18pt⁴	Ratio: 15.41 Passed⁶
Hex(FFFFFF2)	Ratio: 1.08 Failed⁵	Ratio: 1.09 Failed⁵		Ratio: 4.30 AA 18pt²	Ratio: 6.20 AA¹ AAA 18pt⁴	Ratio: 16.85 Passed⁶
Hex(80777B)	Ratio: 3.99 AA 18pt²	Ratio: 3.94 AA 18pt²	Ratio: 4.30 AA 18pt²		Ratio: 1.44 Failed⁵	Ratio: 3.92 AA 18pt²
Hex(BF0059)	Ratio: 5.75 AA¹ AAA 18pt⁴	Ratio: 5.67 AA¹ AAA 18pt⁴	Ratio: 6.20 AA¹ AAA 18pt⁴	Ratio: 1.44 Failed⁵		Ratio: 2.72 Failed⁵
Hex(40001E)	Ratio: 15.61 Passed⁶	Ratio: 15.41 Passed⁶	Ratio: 16.85 Passed⁶	Ratio: 3.92 AA 18pt²	Ratio: 2.72 Failed⁵	

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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