

Converting Colors - WCAG Matrix

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

Hex(FFF3F4) Hex(FFF0F1) Hex(F3FAFF) Hex(807777) Hex(BF0010) Hex(400005)

	Hex(FFF3F4)	Hex(FFF0F1)	Hex(F3FAFF)	Hex(807777)	Hex(BF0010)	Hex(400005)
Hex(FFF3F4)		Ratio: 1.02 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 15.88 Passed ⁶
Hex(FFF0F1)	Ratio: 1.02 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 15.56 Passed ⁶
Hex(F3FAFF)	Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 4.13 AA 18pt ²	Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 16.33 Passed ⁶
Hex(807777)	Ratio: 4.02 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 4.13 AA 18pt ²		Ratio: 1.50 Failed ⁵	Ratio: 3.95 AA 18pt ²
Hex(BF0010)	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 5.89 AA ¹ AAA 18pt ⁴	Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 1.50 Failed ⁵		Ratio: 2.64 Failed ⁵
Hex(400005)	Ratio: 15.88 Passed ⁶	Ratio: 15.56 Passed ⁶	Ratio: 16.33 Passed ⁶	Ratio: 3.95 AA 18pt ²	Ratio: 2.64 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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