

Converting Colors - WCAG Matrix

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

Hex(F01F6F) Hex(FF0062) Hex(1FF037) Hex(786C70) Hex(B80046) Hex(380016)

	Hex(F01F6F)	Hex(FF0062)	Hex(1FF037)	Hex(786C70)	Hex(B80046)	Hex(380016)
Hex(F01F6F)		Ratio: 1.06 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 4.35 AA 18pt ²
Hex(FF0062)	Ratio: 1.06 Failed ⁵		Ratio: 2.50 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 4.60 AA ¹ AAA 18pt ⁴
Hex(1FF037)	Ratio: 2.65 Failed ⁵	Ratio: 2.50 Failed ⁵		Ratio: 3.25 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 11.51 Passed ⁶
Hex(786C70)	Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 3.25 AA 18pt ²		Ratio: 1.34 Failed ⁵	Ratio: 3.54 AA 18pt ²
Hex(B80046)	Ratio: 1.64 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 4.34 AA 18pt ²	Ratio: 1.34 Failed ⁵		Ratio: 2.65 Failed ⁵
Hex(380016)	Ratio: 4.35 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 11.51 Passed ⁶	Ratio: 3.54 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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