

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(F20045) Hex(FF0048) Hex(00C2F2) Hex(786C6F) Hex(B80034) Hex(380010)

Hex(F20045)		Ratio: 1.10 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 4.14 AA 18pt ²
Hex(FF0048)	Ratio: 1.10 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 4.55 AA ¹ AAA 18pt ⁴
Hex(00C2F2)	Ratio: 2.06 Failed ⁵	Ratio: 1.87 Failed ⁵		Ratio: 2.40 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 8.51 Passed ⁶
Hex(786C6F)	Ratio: 1.16 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 2.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(B80034)	Ratio: 1.57 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 1.35 Failed ⁵		Ratio: 2.63 Failed ⁵
Hex(380010)	Ratio: 4.14 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 8.51 Passed ⁶	Ratio: 3.55 AA 18pt ²	Ratio: 2.63 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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