

Converting Colors - WCAG Matrix

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

Hex(E11252) Hex(FF004F) Hex(12BBE1) Hex(706568) Hex(B00037) Hex(30000F)

	Hex(E11252)	Hex(FF004F)	Hex(12BBE1)	Hex(706568)	Hex(B00037)	Hex(30000F)
Hex(E11252)		Ratio: 1.22 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 3.89 AA 18pt ²
Hex(FF004F)	Ratio: 1.22 Failed ⁵		Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(12BBE1)	Ratio: 2.09 Failed ⁵	Ratio: 1.72 Failed ⁵		Ratio: 2.46 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 8.14 Passed ⁶
Hex(706568)	Ratio: 1.18 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 2.46 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 3.31 AA 18pt ²
Hex(B00037)	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 1.29 Failed ⁵		Ratio: 2.56 Failed ⁵
Hex(30000F)	Ratio: 3.89 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 8.14 Passed ⁶	Ratio: 3.31 AA 18pt ²	Ratio: 2.56 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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