

Converting Colors - WCAG Matrix

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

Hex(E133DE) Hex(FF12FB) Hex(33E18D) Hex(706570) Hex(B000AD) Hex(300030)

	Hex(E133DE)	Hex(FF12FB)	Hex(33E18D)	Hex(706570)	Hex(B000AD)	Hex(300030)
Hex(E133DE)		Ratio: 1.17 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 4.90 AA ¹ AAA 18pt ⁴
Hex(FF12FB)	Ratio: 1.17 Failed ⁵		Ratio: 1.83 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(33E18D)	Ratio: 2.15 Failed ⁵	Ratio: 1.83 Failed ⁵		Ratio: 3.25 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 10.52 Passed ⁶
Hex(706570)	Ratio: 1.51 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 3.25 AA 18pt ²		Ratio: 1.10 Failed ⁵	Ratio: 3.24 AA 18pt ²
Hex(B000AD)	Ratio: 1.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 1.10 Failed ⁵		Ratio: 2.95 Failed ⁵
Hex(300030)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 10.52 Passed ⁶	Ratio: 3.24 AA 18pt ²	Ratio: 2.95 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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