

Converting Colors - WCAG Matrix

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

Hex(87135A) Hex(B0006C) Hex(138779) Hex(423C40) Hex(820050) Hex(030002)

	Hex(87135A)	Hex(B0006C)	Hex(138779)	Hex(423C40)	Hex(820050)	Hex(030002)
Hex(87135A)		Ratio: 1.35 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(B0006C)	Ratio: 1.35 Failed ⁵		Ratio: 1.56 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 3.05 AA 18pt ²
Hex(138779)	Ratio: 2.10 Failed ⁵	Ratio: 1.56 Failed ⁵		Ratio: 2.44 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(423C40)	Ratio: 1.16 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 2.44 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(820050)	Ratio: 1.10 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 2.06 Failed ⁵
Hex(030002)	Ratio: 2.26 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 1.94 Failed ⁵	Ratio: 2.06 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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