

Converting Colors - WCAG Matrix

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

Hex(7E5589) Hex(A160B3) Hex(89557A) Hex(433E45) Hex(690085) Hex(040005)

	Hex(7E5589)	Hex(A160B3)	Hex(89557A)	Hex(433E45)	Hex(690085)	Hex(040005)
Hex(7E5589)		Ratio: 1.36 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 3.52 AA 18pt ²
Hex(A160B3)	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(89557A)	Ratio: 1.03 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.81 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(433E45)	Ratio: 1.76 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.81 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(690085)	Ratio: 1.83 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.93 Failed ⁵
Hex(040005)	Ratio: 3.52 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.00 Failed ⁵	Ratio: 1.93 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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