

Converting Colors - WCAG Matrix

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

	Hex(FF6275)	Hex(E1455D)	Hex(C22445)	Hex(A3002F)	Hex(85001B)	Hex(670000)	Hex(490002)	Hex(420003)
Hex(FF6275)		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 5.88 AA ¹ AAA 18pt ⁴
Hex(E1455D)	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(C22445)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(A3002F)	Ratio: 2.79 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(85001B)	Ratio: 3.60 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(670000)	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(490002)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(420003)	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.04 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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