

Converting Colors - WCAG Matrix

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

	Hex(9955BB)	Hex(7E3CA0)	Hex(632285)	Hex(49036B)	Hex(2F0053)	Hex(18003B)	Hex(000224)	Hex(00000C)	Hex(000000)
Hex(9955BB)		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 3.97 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.35 AA 18pt ²	Ratio: 4.37 AA 18pt ²
Hex(7E3CA0)	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.04 AA 18pt ²
Hex(632285)	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(49036B)	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(2F0053)	Ratio: 3.51 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(18003B)	Ratio: 3.97 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(000224)	Ratio: 4.23 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(00000C)	Ratio: 4.35 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 4.37 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.01 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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