

Converting Colors - WCAG Matrix

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

	Hex(8C66BF)	Hex(704DA3)	Hex(57368A)	Hex(3D1F70)	Hex(240857)	Hex(0D0040)	Hex(000329)	Hex(000012)	Hex(000000)
Hex(8C66BF)		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴
Hex(704DA3)	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 3.28 AA 18pt ²
Hex(57368A)	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(3D1F70)	Ratio: 2.93 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(240857)	Ratio: 3.82 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(0D0040)	Ratio: 4.37 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(000329)	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(000012)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 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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