

Converting Colors - WCAG Matrix

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

Hex(BB69E9) Hex(9F4FCC) Hex(8335B1) Hex(671795) Hex(4C007B) Hex(300061) Hex(000000)

	Hex(BB69E9)	Hex(9F4FCC)	Hex(8335B1)	Hex(671795)	Hex(4C007B)	Hex(300061)	Hex(000000)
Hex(BB69E9)		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴
Hex(9F4FCC)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.46 AA 18pt ²
Hex(8335B1)	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(671795)	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(4C007B)	Ratio: 3.96 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(300061)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(000000)	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.30 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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