

Converting Colors - WCAG Matrix

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

Hex(B276B2) Hex(E88BE8) Hex(B29476) Hex(595059) Hex(990099) Hex(1A001A)

	Hex(B276B2)	Hex(E88BE8)	Hex(B29476)	Hex(595059)	Hex(990099)	Hex(1A001A)
Hex(B276B2)		Ratio: 1.52 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 5.79 AA ¹ AAA 18pt ⁴
Hex(E88BE8)	Ratio: 1.52 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 8.77 Passed ⁶
Hex(B29476)	Ratio: 1.21 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 2.72 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 6.98 AA ¹ AAA 18pt ⁴
Hex(595059)	Ratio: 2.26 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.72 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(990099)	Ratio: 2.18 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 2.66 Failed ⁵
Hex(1A001A)	Ratio: 5.79 AA ¹ AAA 18pt ⁴	Ratio: 8.77 Passed ⁶	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 2.57 Failed ⁵	Ratio: 2.66 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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