

Converting Colors - WCAG Matrix

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

Hex(D85BCE) Hex(BB3EB3) Hex(9E1C98) Hex(82007D) Hex(660064) Hex(4B004C) Hex(000000)

	Hex(D85BCE)	Hex(BB3EB3)	Hex(9E1C98)	Hex(82007D)	Hex(660064)	Hex(4B004C)	Hex(000000)
Hex(D85BCE)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 6.31 AA ¹ AAA 18pt ⁴
Hex(BB3EB3)	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(9E1C98)	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(82007D)	Ratio: 2.81 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(660064)	Ratio: 3.61 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(4B004C)	Ratio: 4.49 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.40 Failed ⁵
Hex(000000)	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.40 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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