

Converting Colors - WCAG Matrix

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

	Hex(CA86D7)	Hex(AE6CBB)	Hex(9352A0)	Hex(783A86)	Hex(5E216C)	Hex(450553)	Hex(2C003C)	Hex(130026)	Hex(00010E)	Hex(000000)
Hex(CA86D7)		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 7.82 Passed ⁶	Ratio: 7.90 Passed ⁶
Hex(AE6CBB)	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 5.66 AA ¹ AAA 18pt ⁴
Hex(9352A0)	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 3.96 AA 18pt ²
Hex(783A86)	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(5E216C)	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(450553)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(2C003C)	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(130026)	Ratio: 7.49 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00010E)	Ratio: 7.82 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 7.90 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.06 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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