

Converting Colors - WCAG Matrix

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

	Hex(2D285C)	Hex(FFFFFF)	Hex(5F558F)	Hex(786EA9)	Hex(9387C5)	Hex(AEA1E1)	Hex(CABCFE)	Hex(E6D8FF)	Hex(FFF4FF)
Hex(2D285C)		Ratio: 13.38 Passed ⁶	Ratio: 2.03 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.96 Passed ⁶	Ratio: 12.51 Passed ⁶
Hex(FFFFFF)	Ratio: 13.38 Passed ⁶		Ratio: 6.60 AA ¹ AAA 18pt ⁴	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(5F558F)	Ratio: 2.03 Failed ⁵	Ratio: 6.60 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(786EA9)	Ratio: 2.93 Failed ⁵	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(9387C5)	Ratio: 4.15 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(AEA1E1)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.34 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(CABCFE)	Ratio: 7.73 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(E6D8FF)	Ratio: 9.96 Passed ⁶	Ratio: 1.34 Failed ⁵	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(FFF4FF)	Ratio: 12.51 Passed ⁶	Ratio: 1.07 Failed ⁵	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 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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