

Converting Colors - WCAG Matrix

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

	Hex(324C87)	Hex(4D63A2)	Hex(687CBD)	Hex(8396D9)	Hex(9FB0F5)	Hex(BBCCFF)	Hex(D8E8FF)	Hex(F5FFFF)	Hex(FFFFFF)
Hex(324C87)		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 8.19 Passed ⁶	Ratio: 8.34 Passed ⁶
Hex(4D63A2)	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴
Hex(687CBD)	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(8396D9)	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(9FB0F5)	Ratio: 3.97 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(BBCCFF)	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(D8E8FF)	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(F5FFFF)	Ratio: 8.19 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 8.34 Passed ⁶	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.02 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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