

Converting Colors - WCAG Matrix

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

	Hex(143D63)	Hex(31547C)	Hex(4C6C96)	Hex(6685B1)	Hex(819FCC)	Hex(9CBAE9)	Hex(B8D6FF)	Hex(D4F2FF)	Hex(F1FFFF)	Hex(FFFFFF)
Hex(143D63)		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.51 Passed ⁶	Ratio: 9.56 Passed ⁶	Ratio: 10.91 Passed ⁶	Ratio: 11.19 Passed ⁶
Hex(31547C)	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 7.81 Passed ⁶
Hex(4C6C96)	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 5.39 AA ¹ AAA 18pt ⁴
Hex(6685B1)	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 3.78 AA 18pt ²
Hex(819FCC)	Ratio: 4.14 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(9CBAE9)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(B8D6FF)	Ratio: 7.51 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(D4F2FF)	Ratio: 9.56 Passed ⁶	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(F1FFFF)	Ratio: 10.91 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 11.19 Passed ⁶	Ratio: 7.81 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.17 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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