

Converting Colors - WCAG Matrix

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

	Hex(C6F7FF)	Hex(AADBFC)	Hex(8EBFDF)	Hex(73A4C3)	Hex(588AA8)	Hex(3D708E)	Hex(215874)	Hex(00405B)	Hex(002A44)	Hex(00172D)
Hex(C6F7FF)		Ratio: 1.27 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 9.63 Passed ⁶	Ratio: 12.83 Passed ⁶	Ratio: 15.64 Passed ⁶
Hex(AADBFC)	Ratio: 1.27 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 12.28 Passed ⁶
Hex(8EBFDF)	Ratio: 1.70 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 9.19 Passed ⁶
Hex(73A4C3)	Ratio: 2.32 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴
Hex(588AA8)	Ratio: 3.23 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(3D708E)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(215874)	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(00405B)	Ratio: 9.63 Passed ⁶	Ratio: 7.56 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(002A44)	Ratio: 12.83 Passed ⁶	Ratio: 10.07 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(00172D)	Ratio: 15.64 Passed ⁶	Ratio: 12.28 Passed ⁶	Ratio: 9.19 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 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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