

Converting Colors - WCAG Matrix

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

	Hex(3C647E)	Hex(567D98)	Hex(7097B3)	Hex(8AB1CE)	Hex(A6CDEB)	Hex(C1E9FF)	Hex(DEFFFF)	Hex(FBFFFF)	Hex(FFFFFF)
Hex(3C647E)		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴
Hex(567D98)	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 4.39 AA 18pt ²
Hex(7097B3)	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.10 AA 18pt ²
Hex(8AB1CE)	Ratio: 2.79 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(A6CDEB)	Ratio: 3.79 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(C1E9FF)	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(DEFFFF)	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(FBFFFF)	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFFF)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 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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