

Converting Colors - WCAG Matrix

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

	Hex(005F86)	Hex(FFFFFF)	Hex(4F91BB)	Hex(6CACD7)	Hex(88C7F4)	Hex(A4E3FF)	Hex(C1FFFF)	Hex(DEFFFF)	Hex(FCFFFF)
Hex(005F86)		Ratio: 7.04 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶
Hex(FFFFFF)	Ratio: 7.04 Passed ⁶		Ratio: 3.44 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(4F91BB)	Ratio: 2.05 Failed ⁵	Ratio: 3.44 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 3.42 AA 18pt ²
Hex(6CACD7)	Ratio: 2.86 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(88C7F4)	Ratio: 3.87 AA 18pt ²	Ratio: 1.82 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(A4E3FF)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 1.40 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(C1FFFF)	Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(DEFFFF)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FCFFFF)	Ratio: 7.01 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 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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