

Converting Colors - WCAG Matrix

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

	Hex(006575)	Hex(FFFFFF)	Hex(4C98A9)	Hex(68B3C4)	Hex(84CFE0)	Hex(A0EBFD)	Hex(BDFFFF)	Hex(DAFFFF)	Hex(F7FFFF)
Hex(006575)		Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 6.06 AA ¹ AAA 18pt ⁴	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.73 AA ¹ AAA 18pt ⁴		Ratio: 3.30 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(4C98A9)	Ratio: 2.04 Failed ⁵	Ratio: 3.30 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(68B3C4)	Ratio: 2.83 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(84CFE0)	Ratio: 3.84 AA 18pt ²	Ratio: 1.75 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(A0EBFD)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 1.33 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(BDFFFF)	Ratio: 6.06 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(DAFFFF)	Ratio: 6.33 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F7FFFF)	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.09 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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