

Converting Colors - WCAG Matrix

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

	Hex(4F7B82)	Hex(FFFFFF)	Hex(83B0B7)	Hex(9ECBD3)	Hex(B9E7EF)	Hex(D5FFFF)	Hex(F2FFFF)
Hex(4F7B82)		Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.36 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.68 AA ¹ AAA 18pt ⁴		Ratio: 2.37 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(83B0B7)	Ratio: 1.97 Failed ⁵	Ratio: 2.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(9ECBD3)	Ratio: 2.66 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(B9E7EF)	Ratio: 3.51 AA 18pt ²	Ratio: 1.33 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(D5FFFF)	Ratio: 4.36 AA 18pt ²	Ratio: 1.07 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F2FFFF)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 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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