

Converting Colors - WCAG Matrix

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

Hex(46685B) Hex(FFFFFF) Hex(779B8D) Hex(91B6A7) Hex(ACD2C3) Hex(C8EEDF) Hex(E4FFFB)

	Hex(46685B)	Hex(FFFFFF)	Hex(779B8D)	Hex(91B6A7)	Hex(ACD2C3)	Hex(C8EEDF)	Hex(E4FFFB)
Hex(46685B)		Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.19 AA ¹ AAA 18pt ⁴		Ratio: 3.06 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(779B8D)	Ratio: 2.02 Failed ⁵	Ratio: 3.06 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(91B6A7)	Ratio: 2.79 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(ACD2C3)	Ratio: 3.76 AA 18pt ²	Ratio: 1.65 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(C8EEDF)	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 1.25 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(E4FFFB)	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 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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