

Converting Colors - WCAG Matrix

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

Hex(46646A) Hex(FFFFFF) Hex(78979D) Hex(92B2B8) Hex(ADCDD4) Hex(C8E9F0) Hex(E5FFFF)

	Hex(46646A)	Hex(FFFFFF)	Hex(78979D)	Hex(92B2B8)	Hex(ADCDD4)	Hex(C8E9F0)	Hex(E5FFFF)
Hex(46646A)		Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 2.04 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.38 AA ¹ AAA 18pt ⁴		Ratio: 3.13 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(78979D)	Ratio: 2.04 Failed ⁵	Ratio: 3.13 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(92B2B8)	Ratio: 2.82 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(ADCDD4)	Ratio: 3.79 AA 18pt ²	Ratio: 1.69 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(C8E9F0)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.28 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(E5FFFF)	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 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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