

Converting Colors - WCAG Matrix

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

Hex(316274) Hex(FFFFFF) Hex(6595A8) Hex(80B0C3) Hex(9BCBDF) Hex(B6E7FC) Hex(D2FFFF) Hex(EFFFFFF)

	Hex(316274)	Hex(FFFFFF)	Hex(6595A8)	Hex(80B0C3)	Hex(9BCBDF)	Hex(B6E7FC)	Hex(D2FFFF)	Hex(EFFFFFF)
Hex(316274)		Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.71 AA ¹ AAA 18pt ⁴		Ratio: 3.27 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(6595A8)	Ratio: 2.05 Failed ⁵	Ratio: 3.27 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.18 AA 18pt ²
Hex(80B0C3)	Ratio: 2.85 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(9BCBDF)	Ratio: 3.83 AA 18pt ²	Ratio: 1.75 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(B6E7FC)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 1.33 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(D2FFFF)	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(EFFFFFF)	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.29 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

Failed 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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