

Converting Colors - WCAG Matrix

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

	Hex(538880)	Hex(FFFFFF)	Hex(87BEB5)	Hex(A2D9D0)	Hex(BEF6ED)	Hex(DAFFFF)	Hex(F7FFFF)
Hex(538880)		Ratio: 4.04 AA 18pt ²	Ratio: 1.93 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.79 AA 18pt ²	Ratio: 3.98 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.04 AA 18pt ²		Ratio: 2.09 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(87BEB5)	Ratio: 1.93 Failed ⁵	Ratio: 2.09 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(A2D9D0)	Ratio: 2.57 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(BEF6ED)	Ratio: 3.38 AA 18pt ²	Ratio: 1.19 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(DAFFFF)	Ratio: 3.79 AA 18pt ²	Ratio: 1.06 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F7FFFF)	Ratio: 3.98 AA 18pt ²	Ratio: 1.01 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.18 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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