

Converting Colors - WCAG Matrix

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

Hex(506868) Hex(FFFFFF) Hex(829B9B) Hex(9CB6B6) Hex(B7D2D2) Hex(D3EEEE) Hex(EFFFFFF)

	Hex(506868)	Hex(FFFFFF)	Hex(829B9B)	Hex(9CB6B6)	Hex(B7D2D2)	Hex(D3EEEE)	Hex(EFFFFFF)
Hex(506868)	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴	
Hex(FFFFFF)	Ratio: 5.96 AA ¹ AAA 18pt ⁴		Ratio: 2.95 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(829B9B)	Ratio: 2.02 Failed ⁵	Ratio: 2.95 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(9CB6B6)	Ratio: 2.78 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(B7D2D2)	Ratio: 3.74 AA 18pt ²	Ratio: 1.60 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(D3EEEE)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(EFFFFFF)	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.18 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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