

Converting Colors - WCAG Matrix

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

	Hex(4561C9)	Hex(5971C9)	Hex(6D81C9)	Hex(8191C9)	Hex(95A0C9)	Hex(AAB0C9)	Hex(BEC0C9)	Hex(D2D0C9)	Hex(E6E0C9)	Hex(FAF0C9)
Hex(4561C9)		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.57 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(5971C9)	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 3.97 AA 18pt ²
Hex(6D81C9)	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(8191C9)	Ratio: 1.79 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(95A0C9)	Ratio: 2.14 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.25 Failed ⁵
Hex(AAB0C9)	Ratio: 2.56 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(BEC0C9)	Ratio: 3.04 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(D2D0C9)	Ratio: 3.57 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(E6E0C9)	Ratio: 4.17 AA 18pt ²	Ratio: 3.43 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(FAF0C9)	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 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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