

Converting Colors - WCAG Matrix

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

	Hex(5B6BD8)	Hex(717ED8)	Hex(8791D8)	Hex(9CA3D8)	Hex(B2B6D8)	Hex(C7C9D8)	Hex(DDDCD8)	Hex(F3EFD8)	Hex(FFFFD8)
Hex(5B6BD8)		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(717ED8)	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(8791D8)	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(9CA3D8)	Ratio: 1.90 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(B2B6D8)	Ratio: 2.33 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(C7C9D8)	Ratio: 2.81 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(DDDCD8)	Ratio: 3.37 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(F3EFD8)	Ratio: 4.00 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(FFFFD8)	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.13 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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