

Converting Colors - WCAG Matrix

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

	Hex(6942BD)	Hex(7655BD)	Hex(8368BD)	Hex(907BBD)	Hex(9D8EBD)	Hex(AAA1BD)	Hex(B6B3BD)	Hex(C3C6BD)	Hex(D0D9BD)	Hex(DDECBD)
Hex(6942BD)		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.90 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.40 AA ¹ AAA 18pt ⁴
Hex(7655BD)	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.77 AA 18pt ²	Ratio: 4.42 AA 18pt ²
Hex(8368BD)	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.59 AA 18pt ²
Hex(907BBD)	Ratio: 1.85 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(9D8EBD)	Ratio: 2.26 Failed ⁵	Ratio: 1.85 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: 2.04 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(AAA1BD)	Ratio: 2.74 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(B6B3BD)	Ratio: 3.27 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(C3C6BD)	Ratio: 3.90 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(D0D9BD)	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(DDECBD)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.17 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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