

Converting Colors - WCAG Matrix

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

	Hex(D4C8EA)	Hex(C5B1EA)	Hex(B699EA)	Hex(A782EA)	Hex(976AEA)	Hex(8853EA)	Hex(793CEA)	Hex(6A24EA)	Hex(5B0DEA)	Hex(5300EA)
Hex(D4C8EA)		Ratio: 1.22 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 5.18 AA ¹ AAA 18pt ⁴
Hex(C5B1EA)	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.25 AA 18pt ²
Hex(B699EA)	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 3.42 AA 18pt ²
Hex(A782EA)	Ratio: 1.89 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.75 Failed ⁵
Hex(976AEA)	Ratio: 2.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(8853EA)	Ratio: 2.96 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(793CEA)	Ratio: 3.63 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(6A24EA)	Ratio: 4.34 AA 18pt ²	Ratio: 3.55 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(5B0DEA)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(5300EA)	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 3.42 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 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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