

Converting Colors - WCAG Matrix

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

	Hex(5B00B5)	Hex(6412B5)	Hex(6D24B5)	Hex(7636B5)	Hex(7F48B5)	Hex(885BB5)	Hex(916DB5)	Hex(9A7FB5)	Hex(A391B5)	Hex(ACA3B5)
Hex(5B00B5)		Ratio: 1.09 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.10 AA 18pt ²
Hex(6412B5)	Ratio: 1.09 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.77 AA 18pt ²
Hex(6D24B5)	Ratio: 1.22 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(7636B5)	Ratio: 1.40 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.92 Failed ⁵
Hex(7F48B5)	Ratio: 1.66 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(885BB5)	Ratio: 1.99 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(916DB5)	Ratio: 2.40 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(9A7FB5)	Ratio: 2.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(A391B5)	Ratio: 3.44 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(ACA3B5)	Ratio: 4.10 AA 18pt ²	Ratio: 3.77 AA 18pt ²	Ratio: 3.37 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 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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