

Converting Colors - WCAG Matrix

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

	Hex(ACACBD)	Hex(9A9ABD)	Hex(8787BD)	Hex(7474BD)	Hex(6161BD)	Hex(4E4EBD)	Hex(3B3BBB)	Hex(2828BD)	Hex(1515BD)	Hex(0202BD)
Hex(ACACBD)		Ratio: 1.21 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 5.38 AA ¹ AAA 18pt ⁴
Hex(9A9ABD)	Ratio: 1.21 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 4.13 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(8787BD)	Ratio: 1.51 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(7474BD)	Ratio: 1.89 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(6161BD)	Ratio: 2.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(4E4EBD)	Ratio: 2.98 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(3B3BBB)	Ratio: 3.69 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(2828BD)	Ratio: 4.41 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(1515BD)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(0202BD)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.57 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.07 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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