

Converting Colors - WCAG Matrix

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

	Hex(CDCBD5)	Hex(BCB5D5)	Hex(ABA0D5)	Hex(9A8BD5)	Hex(8976D5)	Hex(7860D5)	Hex(674BD5)	Hex(5636D5)	Hex(4521D5)	Hex(340BD5)
Hex(CDCBD5)		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴
Hex(BCB5D5)	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 4.40 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(ABA0D5)	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 4.05 AA 18pt ²
Hex(9A8BD5)	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(8976D5)	Ratio: 2.33 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(7860D5)	Ratio: 2.96 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(674BD5)	Ratio: 3.70 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(5636D5)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(4521D5)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.40 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(340BD5)	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.64 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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