

Converting Colors - WCAG Matrix

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

Hex(8D42D0) Hex(E7CCFF) Hex(4287D0) Hex(716180) Hex(000000) Hex(808080)

	Hex(8D42D0)	Hex(E7CCFF)	Hex(4287D0)	Hex(716180)	Hex(000000)	Hex(808080)
Hex(8D42D0)		Ratio: 3.79 AA 18pt ²	Ratio: 1.47 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.39 Failed ⁵
Hex(E7CCFF)	Ratio: 3.79 AA 18pt ²		Ratio: 2.58 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 14.48 Passed ⁶	Ratio: 2.72 Failed ⁵
Hex(4287D0)	Ratio: 1.47 Failed ⁵	Ratio: 2.58 Failed ⁵		Ratio: 1.51 Failed ⁵	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(716180)	Ratio: 1.03 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 1.51 Failed ⁵		Ratio: 3.72 AA 18pt ²	Ratio: 1.43 Failed ⁵
Hex(000000)	Ratio: 3.82 AA 18pt ²	Ratio: 14.48 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.39 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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