

Converting Colors - WCAG Matrix

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

Hex(E16EE2) Hex(FFD9FF) Hex(6E70E2) Hex(7F6980) Hex(000000) Hex(808080)

	Hex(E16EE2)	Hex(FFD9FF)	Hex(6E70E2)	Hex(7F6980)	Hex(000000)	Hex(808080)
Hex(E16EE2)		Ratio: 2.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 7.53 Passed ⁶	Ratio: 1.42 Failed ⁵
Hex(FFD9FF)	Ratio: 2.21 Failed ⁵		Ratio: 3.27 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 16.62 Passed ⁶	Ratio: 3.13 AA 18pt ²
Hex(6E70E2)	Ratio: 1.48 Failed ⁵	Ratio: 3.27 AA 18pt ²		Ratio: 1.20 Failed ⁵	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(7F6980)	Ratio: 1.78 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 1.20 Failed ⁵		Ratio: 4.23 AA 18pt ²	Ratio: 1.26 Failed ⁵
Hex(000000)	Ratio: 7.53 Passed ⁶	Ratio: 16.62 Passed ⁶	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.42 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 1.05 Failed ⁵	Ratio: 1.26 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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