

Converting Colors - WCAG Matrix

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

Hex(C635C6) Hex(FFC7FF) Hex(3535C6) Hex(805E80) Hex(000000) Hex(808080)

	Hex(C635C6)	Hex(FFC7FF)	Hex(3535C6)	Hex(805E80)	Hex(000000)	Hex(808080)
Hex(C635C6)		Ratio: 3.15 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 1.13 Failed ⁵
Hex(FFC7FF)	Ratio: 3.15 AA 18pt ²		Ratio: 6.00 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 14.87 Passed ⁶	Ratio: 2.80 Failed ⁵
Hex(3535C6)	Ratio: 1.91 Failed ⁵	Ratio: 6.00 AA ¹ AAA 18pt ⁴		Ratio: 1.55 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(805E80)	Ratio: 1.23 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 1.55 Failed ⁵		Ratio: 3.83 AA 18pt ²	Ratio: 1.39 Failed ⁵
Hex(000000)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 14.87 Passed ⁶	Ratio: 2.48 Failed ⁵	Ratio: 3.83 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.13 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.39 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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