

Converting Colors - WCAG Matrix

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

Hex(FF00A5) Hex(FFB3E4) Hex(5900FF) Hex(80526F) Hex(000000) Hex(808080)

	Hex(FF00A5)	Hex(FFB3E4)	Hex(5900FF)	Hex(80526F)	Hex(000000)	Hex(808080)
Hex(FF00A5)		Ratio: 2.21 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(FFB3E4)	Ratio: 2.21 Failed ⁵		Ratio: 4.47 AA 18pt ²	Ratio: 3.82 AA 18pt ²	Ratio: 12.82 Passed ⁶	Ratio: 2.41 Failed ⁵
Hex(5900FF)	Ratio: 2.02 Failed ⁵	Ratio: 4.47 AA 18pt ²		Ratio: 1.17 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(80526F)	Ratio: 1.73 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.17 Failed ⁵		Ratio: 3.35 AA 18pt ²	Ratio: 1.59 Failed ⁵
Hex(000000)	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 12.82 Passed ⁶	Ratio: 2.87 Failed ⁵	Ratio: 3.35 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.09 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.59 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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