

Converting Colors - WCAG Matrix

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

Hex(CC0088) Hex(FFB3E6) Hex(4400CC) Hex(805270) Hex(000000) Hex(808080)

	Hex(CC0088)	Hex(FFB3E6)	Hex(4400CC)	Hex(805270)	Hex(000000)	Hex(808080)
Hex(CC0088)		Ratio: 3.27 AA 18pt ²	Ratio: 1.85 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 1.36 Failed ⁵
Hex(FFB3E6)	Ratio: 3.27 AA 18pt ²		Ratio: 6.06 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 12.84 Passed ⁶	Ratio: 2.42 Failed ⁵
Hex(4400CC)	Ratio: 1.85 Failed ⁵	Ratio: 6.06 AA ¹ AAA 18pt ⁴		Ratio: 1.59 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(805270)	Ratio: 1.17 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.59 Failed ⁵		Ratio: 3.36 AA 18pt ²	Ratio: 1.58 Failed ⁵
Hex(000000)	Ratio: 3.92 AA 18pt ²	Ratio: 12.84 Passed ⁶	Ratio: 2.12 Failed ⁵	Ratio: 3.36 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.36 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.58 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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