

Converting Colors - WCAG Matrix

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

Hex(CC0066) Hex(FFB3D9) Hex(6600CC) Hex(805269) Hex(000000) Hex(808080)

	Hex(CC0066)	Hex(FFB3D9)	Hex(6600CC)	Hex(805269)	Hex(000000)	Hex(808080)
Hex(CC0066)		Ratio: 3.38 AA 18pt ²	Ratio: 1.54 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 1.41 Failed ⁵
Hex(FFB3D9)	Ratio: 3.38 AA 18pt ²		Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 12.70 Passed ⁶	Ratio: 2.39 Failed ⁵
Hex(6600CC)	Ratio: 1.54 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴		Ratio: 1.37 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(805269)	Ratio: 1.13 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.37 Failed ⁵		Ratio: 3.33 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(000000)	Ratio: 3.76 AA 18pt ²	Ratio: 12.70 Passed ⁶	Ratio: 2.44 Failed ⁵	Ratio: 3.33 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.41 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.60 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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