

Converting Colors - WCAG Matrix

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

Hex(CC3399) Hex(FFC4EB) Hex(6633CC) Hex(805C74) Hex(000000) Hex(808080)

	Hex(CC3399)	Hex(FFC4EB)	Hex(6633CC)	Hex(805C74)	Hex(000000)	Hex(808080)
Hex(CC3399)		Ratio: 3.19 AA 18pt ²	Ratio: 1.55 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵
Hex(FFC4EB)	Ratio: 3.19 AA 18pt ²		Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 14.35 Passed ⁶	Ratio: 2.70 Failed ⁵
Hex(6633CC)	Ratio: 1.55 Failed ⁵	Ratio: 4.93 AA ¹ AAA 18pt ⁴		Ratio: 1.27 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(805C74)	Ratio: 1.22 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 1.27 Failed ⁵		Ratio: 3.70 AA 18pt ²	Ratio: 1.44 Failed ⁵
Hex(000000)	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 14.35 Passed ⁶	Ratio: 2.91 Failed ⁵	Ratio: 3.70 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.18 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.44 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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