

Converting Colors - WCAG Matrix

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

Hex(D32D6B) Hex(FFC2D9) Hex(932DD3) Hex(805B68) Hex(000000) Hex(808080)

	Hex(D32D6B)	Hex(FFC2D9)	Hex(932DD3)	Hex(805B68)	Hex(000000)	Hex(808080)
Hex(D32D6B)		Ratio: 3.21 AA 18pt ²	Ratio: 1.23 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 4.36 AA 18pt ²	Ratio: 1.22 Failed ⁵
Hex(FFC2D9)	Ratio: 3.21 AA 18pt ²		Ratio: 3.93 AA 18pt ²	Ratio: 3.87 AA 18pt ²	Ratio: 13.97 Passed ⁶	Ratio: 2.63 Failed ⁵
Hex(932DD3)	Ratio: 1.23 Failed ⁵	Ratio: 3.93 AA 18pt ²		Ratio: 1.02 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 1.50 Failed ⁵
Hex(805B68)	Ratio: 1.21 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.02 Failed ⁵		Ratio: 3.61 AA 18pt ²	Ratio: 1.47 Failed ⁵
Hex(000000)	Ratio: 4.36 AA 18pt ²	Ratio: 13.97 Passed ⁶	Ratio: 3.56 AA 18pt ²	Ratio: 3.61 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.22 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.47 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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