

Converting Colors - WCAG Matrix

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

Hex(7470C5) Hex(DFDEFF) Hex(70C2C5) Hex(6C6B80) Hex(000000) Hex(808080)

Hex(7470C5)		Ratio: 3.29 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(DFDEFF)	Ratio: 3.29 AA 18pt ²		Ratio: 1.57 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 16.03 Passed ⁶	Ratio: 3.01 AA 18pt ²
Hex(70C2C5)	Ratio: 2.10 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 2.52 Failed ⁵	Ratio: 10.21 Passed ⁶	Ratio: 1.92 Failed ⁵
Hex(6C6B80)	Ratio: 1.20 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.52 Failed ⁵		Ratio: 4.05 AA 18pt ²	Ratio: 1.31 Failed ⁵
Hex(000000)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 16.03 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 4.05 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.09 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 1.92 Failed ⁵	Ratio: 1.31 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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