

Converting Colors - WCAG Matrix

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

Hex(DC4767) Hex(FFCCD7) Hex(BC47DC) Hex(7F6168) Hex(000000) Hex(808080)

	Hex(DC4767)	Hex(FFCCD7)	Hex(BC47DC)	Hex(7F6168)	Hex(000000)	Hex(808080)
Hex(DC4767)		Ratio: 2.89 Failed ⁵	Ratio: 1.01 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵
Hex(FFCCD7)	Ratio: 2.89 Failed ⁵		Ratio: 2.93 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 14.87 Passed ⁶	Ratio: 2.80 Failed ⁵
Hex(BC47DC)	Ratio: 1.01 Failed ⁵	Ratio: 2.93 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(7F6168)	Ratio: 1.35 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 1.33 Failed ⁵		Ratio: 3.81 AA 18pt ²	Ratio: 1.39 Failed ⁵
Hex(000000)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 14.87 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.39 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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