

Converting Colors - WCAG Matrix

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

Hex(239DC6) Hex(BFEFFF) Hex(23C64C) Hex(597680) Hex(000000) Hex(808080)

	Hex(239DC6)	Hex(BFEFFF)	Hex(23C64C)	Hex(597680)	Hex(000000)	Hex(808080)
Hex(239DC6)		Ratio: 2.53 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 1.26 Failed ⁵
Hex(BFEFFF)	Ratio: 2.53 Failed ⁵		Ratio: 1.84 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 17.01 Passed ⁶	Ratio: 3.20 AA 18pt ²
Hex(23C64C)	Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵		Ratio: 2.14 Failed ⁵	Ratio: 9.25 Passed ⁶	Ratio: 1.74 Failed ⁵
Hex(597680)	Ratio: 1.55 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 2.14 Failed ⁵		Ratio: 4.33 AA 18pt ²	Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 17.01 Passed ⁶	Ratio: 9.25 Passed ⁶	Ratio: 4.33 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.26 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 1.74 Failed ⁵	Ratio: 1.23 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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