

Converting Colors - WCAG Matrix

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

Hex(4C13DE) Hex(CDBAFF) Hex(13A8DE) Hex(625780) Hex(000000) Hex(808080)

	Hex(4C13DE)	Hex(CDBAFF)	Hex(13A8DE)	Hex(625780)	Hex(000000)	Hex(808080)
Hex(4C13DE)		Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²	Ratio: 1.30 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(CDBAFF)	Ratio: 4.91 AA ¹ AAA 18pt ⁴		Ratio: 1.57 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 12.06 Passed ⁶	Ratio: 2.27 Failed ⁵
Hex(13A8DE)	Ratio: 3.13 AA 18pt ²	Ratio: 1.57 Failed ⁵		Ratio: 2.41 Failed ⁵	Ratio: 7.68 Passed ⁶	Ratio: 1.45 Failed ⁵
Hex(625780)	Ratio: 1.30 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 2.41 Failed ⁵		Ratio: 3.19 AA 18pt ²	Ratio: 1.66 Failed ⁵
Hex(000000)	Ratio: 2.46 Failed ⁵	Ratio: 12.06 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 3.19 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.17 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.66 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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