

Converting Colors - WCAG Matrix

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

Hex(31E2D8) Hex(C4FFFC) Hex(3DE231) Hex(5C807D) Hex(000000) Hex(808080)

	Hex(31E2D8)	Hex(C4FFFC)	Hex(3DE231)	Hex(5C807D)	Hex(000000)	Hex(808080)
Hex(31E2D8)		Ratio: 1.47 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 13.00 Passed ⁶	Ratio: 2.45 Failed ⁵
Hex(C4FFFC)	Ratio: 1.47 Failed ⁵		Ratio: 1.57 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 19.06 Passed ⁶	Ratio: 3.58 AA 18pt ²
Hex(3DE231)	Ratio: 1.07 Failed ⁵	Ratio: 1.57 Failed ⁵		Ratio: 2.51 Failed ⁵	Ratio: 12.12 Passed ⁶	Ratio: 2.28 Failed ⁵
Hex(5C807D)	Ratio: 2.69 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.51 Failed ⁵		Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 13.00 Passed ⁶	Ratio: 19.06 Passed ⁶	Ratio: 12.12 Passed ⁶	Ratio: 4.84 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.45 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.10 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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