

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(0129D9) Hex(B3C1FF) Hex(01D9AE) Hex(525A80) Hex(000000) Hex(808080)

	Hex(0129D9)	Hex(B3C1FF)	Hex(01D9AE)	Hex(525A80)	Hex(000000)	Hex(808080)
Hex(0129D9)		Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.35 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.29 Failed ⁵
Hex(B3C1FF)	Ratio: 5.17 AA ¹ AAA 18pt ⁴		Ratio: 1.04 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 11.99 Passed ⁶	Ratio: 2.25 Failed ⁵
Hex(01D9AE)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵		Ratio: 3.68 AA 18pt ²	Ratio: 11.54 Passed ⁶	Ratio: 2.17 Failed ⁵
Hex(525A80)	Ratio: 1.35 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 3.68 AA 18pt ²		Ratio: 3.13 AA 18pt ²	Ratio: 1.70 Failed ⁵
Hex(000000)	Ratio: 2.32 Failed ⁵	Ratio: 11.99 Passed ⁶	Ratio: 11.54 Passed ⁶	Ratio: 3.13 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.29 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.70 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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