

Converting Colors - WCAG Matrix

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

Hex(00B2DD) Hex(B3F0FF) Hex(00DD29) Hex(527780) Hex(000000) Hex(808080)

	Hex(00B2DD)	Hex(B3F0FF)	Hex(00DD29)	Hex(527780)	Hex(000000)	Hex(808080)
Hex(00B2DD)		Ratio: 2.00 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 8.41 Passed ⁶	Ratio: 1.58 Failed ⁵
Hex(B3F0FF)	Ratio: 2.00 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 16.82 Passed ⁶	Ratio: 3.16 AA 18pt ²
Hex(00DD29)	Ratio: 1.35 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 2.64 Failed ⁵	Ratio: 11.37 Passed ⁶	Ratio: 2.14 Failed ⁵
Hex(527780)	Ratio: 1.95 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 2.64 Failed ⁵		Ratio: 4.31 AA 18pt ²	Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 8.41 Passed ⁶	Ratio: 16.82 Passed ⁶	Ratio: 11.37 Passed ⁶	Ratio: 4.31 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.58 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 2.14 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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