

Converting Colors - WCAG Matrix

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

Hex(0DFFFF) Hex(B8FFFF) Hex(0DFF0D) Hex(548080) Hex(000000) Hex(808080)

	Hex(0DFFFF)	Hex(B8FFFF)	Hex(0DFF0D)	Hex(548080)	Hex(000000)	Hex(808080)
Hex(0DFFFF)		Ratio: 1.12 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 16.77 Passed ⁶	Ratio: 3.15 AA 18pt ²
Hex(B8FFFF)	Ratio: 1.12 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 18.79 Passed ⁶	Ratio: 3.53 AA 18pt ²
Hex(0DFF0D)	Ratio: 1.09 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 3.21 AA 18pt ²	Ratio: 15.33 Passed ⁶	Ratio: 2.88 Failed ⁵
Hex(548080)	Ratio: 3.51 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 3.21 AA 18pt ²		Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 16.77 Passed ⁶	Ratio: 18.79 Passed ⁶	Ratio: 15.33 Passed ⁶	Ratio: 4.78 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.15 AA 18pt ²	Ratio: 3.53 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.11 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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