

Converting Colors - WCAG Matrix

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

Hex(90DFDB) Hex(E3FFFE) Hex(94DF90) Hex(6F807F) Hex(000000) Hex(808080)

	Hex(90DFDB)	Hex(E3FFFE)	Hex(94DF90)	Hex(6F807F)	Hex(000000)	Hex(808080)
Hex(90DFDB)		Ratio: 1.45 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 13.76 Passed ⁶	Ratio: 2.59 Failed ⁵
Hex(E3FFFE)	Ratio: 1.45 Failed ⁵		Ratio: 1.51 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 20.00 Passed ⁶	Ratio: 3.76 AA 18pt ²
Hex(94DF90)	Ratio: 1.04 Failed ⁵	Ratio: 1.51 Failed ⁵		Ratio: 2.61 Failed ⁵	Ratio: 13.22 Passed ⁶	Ratio: 2.49 Failed ⁵
Hex(6F807F)	Ratio: 2.71 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 2.61 Failed ⁵		Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 13.76 Passed ⁶	Ratio: 20.00 Passed ⁶	Ratio: 13.22 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.59 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.05 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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