

Converting Colors - WCAG Matrix

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

	Hex(093939)	Hex(F9FFFF)	Hex(3D6868)	Hex(568281)	Hex(6F9C9B)	Hex(89B7B6)	Hex(A4D2D1)	Hex(C0EFEE)	Hex(DCFFFF)
Hex(093939)		Ratio: 12.55 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 11.95 Passed ⁶
Hex(F9FFFF)	Ratio: 12.55 Passed ⁶		Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(3D6868)	Ratio: 2.04 Failed ⁵	Ratio: 6.15 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴
Hex(568281)	Ratio: 2.96 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(6F9C9B)	Ratio: 4.17 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(89B7B6)	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 2.18 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(A4D2D1)	Ratio: 7.68 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(C0EFEE)	Ratio: 10.16 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(DCFFFF)	Ratio: 11.95 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.18 Failed ⁵	

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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