

Converting Colors - WCAG Matrix

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

	Hex(033030)	Hex(F0FFFF)	Hex(365E5E)	Hex(4E7776)	Hex(679090)	Hex(81ABAA)	Hex(9CC6C6)	Hex(B7E2E2)	Hex(D3FFFE)
Hex(033030)		Ratio: 13.92 Passed ⁶	Ratio: 1.99 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 13.27 Passed ⁶
Hex(F0FFFF)	Ratio: 13.92 Passed ⁶		Ratio: 7.01 Passed ⁶	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(365E5E)	Ratio: 1.99 Failed ⁵	Ratio: 7.01 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴
Hex(4E7776)	Ratio: 2.87 Failed ⁵	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴
Hex(679090)	Ratio: 4.06 AA 18pt ²	Ratio: 3.43 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.27 AA 18pt ²
Hex(81ABAA)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 2.45 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(9CC6C6)	Ratio: 7.69 Passed ⁶	Ratio: 1.81 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(B7E2E2)	Ratio: 10.20 Passed ⁶	Ratio: 1.36 Failed ⁵	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(D3FFFE)	Ratio: 13.27 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 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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