

Converting Colors - WCAG Matrix

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

	Hex(137761)	Hex(FFFFFF)	Hex(53AC94)	Hex(6FC8AF)	Hex(8AE4CA)	Hex(A7FFE6)	Hex(C3FFFF)	Hex(E0FFFF)	Hex(FEFFFF)
Hex(137761)		Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 5.46 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.47 AA ¹ AAA 18pt ⁴		Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(53AC94)	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(6FC8AF)	Ratio: 2.75 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(8AE4CA)	Ratio: 3.65 AA 18pt ²	Ratio: 1.50 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(A7FFE6)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(C3FFFF)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(E0FFFF)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FEFFFF)	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 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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