

Converting Colors - WCAG Matrix

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

	Hex(007141)	Hex(FFFFFF)	Hex(4AA671)	Hex(65C18B)	Hex(81DEA5)	Hex(9DFAC1)	Hex(BAFFDD)	Hex(D6FFF9)	Hex(F4FFFF)
Hex(007141)		Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 5.99 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.11 AA ¹ AAA 18pt ⁴		Ratio: 3.01 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(4AA671)	Ratio: 2.03 Failed ⁵	Ratio: 3.01 AA 18pt ²		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(65C18B)	Ratio: 2.78 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(81DEA5)	Ratio: 3.76 AA 18pt ²	Ratio: 1.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(9DFAC1)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 1.24 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(BAFFDD)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(D6FFF9)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F4FFFF)	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.12 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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