

Converting Colors - WCAG Matrix

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

	Hex(6FCAB5)	Hex(53AE9A)	Hex(369380)	Hex(117967)	Hex(00604F)	Hex(004838)	Hex(003023)	Hex(001C0D)	Hex(000000)
Hex(6FCAB5)		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 10.79 Passed ⁶
Hex(53AE9A)	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 7.89 Passed ⁶
Hex(369380)	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(117967)	Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.95 AA 18pt ²
Hex(00604F)	Ratio: 3.87 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(004838)	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(003023)	Ratio: 7.46 Passed ⁶	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(001C0D)	Ratio: 9.21 Passed ⁶	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(000000)	Ratio: 10.79 Passed ⁶	Ratio: 7.89 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.17 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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