

Converting Colors - WCAG Matrix

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

	Hex(6FB4C3)	Hex(5499A8)	Hex(377F8D)	Hex(166674)	Hex(004E5B)	Hex(003744)	Hex(00212D)	Hex(000119)	Hex(000000)
Hex(6FB4C3)		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶	Ratio: 8.83 Passed ⁶	Ratio: 8.99 Passed ⁶
Hex(5499A8)	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(377F8D)	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 4.58 AA ¹ AAA 18pt ⁴
Hex(166674)	Ratio: 2.82 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.19 AA 18pt ²
Hex(004E5B)	Ratio: 4.01 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(003744)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(00212D)	Ratio: 7.16 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(000119)	Ratio: 8.83 Passed ⁶	Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.13 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 8.99 Passed ⁶	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.02 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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