

Converting Colors - WCAG Matrix

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

	Hex(5BB0C3)	Hex(3D95A8)	Hex(187B8D)	Hex(006274)	Hex(004A5B)	Hex(003344)	Hex(001F2D)	Hex(000119)	Hex(000000)
Hex(5BB0C3)		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 8.29 Passed ⁶	Ratio: 8.44 Passed ⁶
Hex(3D95A8)	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.95 AA ¹ AAA 18pt ⁴	Ratio: 6.06 AA ¹ AAA 18pt ⁴
Hex(187B8D)	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(006274)	Ratio: 2.82 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(004A5B)	Ratio: 3.96 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(003344)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(001F2D)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(000119)	Ratio: 8.29 Passed ⁶	Ratio: 5.95 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 8.44 Passed ⁶	Ratio: 6.06 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 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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