

Converting Colors - WCAG Matrix

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

	Hex(98CCD6)	Hex(7DB1BA)	Hex(63969F)	Hex(497C85)	Hex(2F636C)	Hex(124B54)	Hex(00343D)	Hex(001F27)	Hex(000112)	Hex(000000)
Hex(98CCD6)		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.75 Passed ⁶	Ratio: 11.79 Passed ⁶	Ratio: 11.94 Passed ⁶
Hex(7DB1BA)	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶	Ratio: 8.76 Passed ⁶	Ratio: 8.87 Passed ⁶
Hex(63969F)	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 6.39 AA ¹ AAA 18pt ⁴
Hex(497C85)	Ratio: 2.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.45 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴
Hex(2F636C)	Ratio: 3.83 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.12 AA 18pt ²
Hex(124B54)	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(00343D)	Ratio: 7.66 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(001F27)	Ratio: 9.75 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(000112)	Ratio: 11.79 Passed ⁶	Ratio: 8.76 Passed ⁶	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 11.94 Passed ⁶	Ratio: 8.87 Passed ⁶	Ratio: 6.39 AA ¹ AAA 18pt ⁴	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 3.12 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.01 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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